



Office (806) 373-5820 Toli Free 1-800-445-1249 FAX (806) 371-0340

PETROLEUM STORAGE TANK REMOVAL AND SITE ASSESSMENT

Former Gary Air Force Base Site # 10-350 (Tanks 8-11) Hwy 21 East San Marcos (Caldwell County), Texas

> TNRCC Facility ID # 22732 Owner ID # 11229 LPST # 108133

Zone 4 Contract #D&CA63-92-D-0047 Delivery Order #0008

Prepared for:

U.S. Army Corps of Engineers

Mr. Mark Simmons Fort Worth, District Mr. Royce Colley San Antonio, Texas

Prepared by:

Ronn P. Beebe (CAPM00170)

Perry Williams Inc. (RCAS00070)

WC Environmental Group

March 17, 1995

P.O. Box 30206 • Amarillo, Texas 79120

TABLE OF CONTENTS

I.	REPORT SUMMARY
II.	CHRONOLOGY OF EVENTS
III.	SITE CHARACTERIZATION AND FIELD INVESTIGATION 6 A. Description of facility B. Facility information, location map C. Investigation and Procedures
IV.	REGIONAL GEOLOGY AND HYDROGEOLOGY
V.	SITE GEOLOGY AND HYDROGEOLOGY
VI.	SITE SOIL ASSESSMENT AND REMEDIAL OPERATIONS
VII.	SITE EXCAVATED SOIL ASSESSMENT AND DISPOSITION 31 A. Stockpile composite sample numbers and locations B. Tabulated chronological sample results C. Discussion of contaminated soil volumes, treatment/disposition
/ш.	SITE GROUNDWATER/SURFACE WATER ASSESSMENT
IX.	FREE PHASE HYDROCARBON/TANK CONTENTS ASSESSMENT 42 A. Tank contents characterization B. Tabulation of sample data C. Disposition of free phase hydrocarbons D. Disposition of tank contents water
X.	PHOTOGRAPHIC DOCUMENTATION

	C. Site after additional overexcavation
	D. Any contamination/discoloration/staining present in excavation
	E. Any groundwater entering the excavation
	F. Any PSH present in the excavation
	G. Site after restoration
	H. Other pertinent photographs
XI.	WASTE MANAGEMENT AND DISPOSITION
	A. Tanks and piping
	B. Soils
	C. Water
	D. Phase-separated product, sludge, & tank contents
	E. Treatment Waters
XII.	APPENDICES/SUPPORTING DATA
	A. DOCUMENTATION AND MANIFEST'S
	Appendix A. UST/AST Certificates Of Destruction
	Appendix B. Tank Contents Manifest
	Appendix C. Contaminated Soil Manifest
	Appendix D. Excess Clean Soil - N/A
	Appendix E. Groundwater And Surface Waters - N/A
	Appendix F. Phase Separated Hydrocarbon - N/A
	Appendix G. Tank Residues - N/A
	B. CORRESPONDENCE
	Appendix H. Texas Natural Resources Conservation Commission
	Appendix I. U.S. Army Corps Of Engineers
	Appendix J. Miscellaneous Correspondence
	C. GEOLOGICAL FIELD NOTES
	Appendix K. Xerox Copies Of Field Site Book
	D. LABORATORY DATA
	Appendix L. Original Lab Results/Chains Of Custody
	Appendix M. Soil Compaction Tests

.

Professional and profession and prof

REPORT SUMMARY

In February 1994, Perry Williams Inc. (PWI) was given notice to proceed with Delivery Order No. 0008 under Contract No. DACA63-92-D-0047. Included in this Delivery Order is the former Gary Air Force Base Site No. 10-350 (tanks 8-11) which is located at the San Marcos Municipal Airport on Hwy 21, San Marcos (Caldwell County), Texas. The scope of this report covers the removal of the underground storage tank (UST) system and remedial activities associated with the release of petroleum hydrocarbons.

On February 23, 1994 PWI personnel arrived to review the site. The UST system consisted of two (2) 12,000 and two (2) 9,000 gallon capacity tanks and associated piping. The tanks were reportedly used to contain JP-4 fuel and the installation date was unknown. Three dispenser pump islands were also removed under this deliver order (#0008) but were believed to be associated with another UST system (tanks 1-7) present at Site 10-350.

Fluids were found to be present in all four (4) of the tanks. Samples were collected and submitted to the laboratory for analysis. Analytical results of the fluid samples indicated the tanks contained water with minimal concentrations of petroleum hydrocarbons. The fluids were removed and transported off-site for treatment/recycling.

On April 20, 1994 the four UST's were excavated and removed. Soil samples were promptly collected from the appropriate locations and were submitted to the laboratory for the analysis of TRPH, BTEX, and total lead (Pb). Analytical results of the samples indicated TRPH and BTEX concentrations, above the TNRCC action levels (effective September 1, 1993), were present in various locations of the tank repository.

On June 9, 1994 the locations were over-excavated in an effort to remove the contaminated soil material. Confirmation samples were collected and submitted to the laboratory

for analysis. Analytical results of the samples indicated TRPH and BTEX concentrations were above the TNRCC action levels. No further over-excavation was conducted in the tank repository. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade.

A foundation of a former structure which housed associated pumps was located adjacent to the north side of the tank repository. The foundation was removed and a sample was collected from the floor of the excavation. Analytical results indicated TRPH concentrations were above the TNRCC action levels. No further over-excavation was performed in this area. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade.

Three concrete pump islands and associated appurtenances were also removed under Deliver Order No. 0008 of the referenced contract. Soil samples were collected from each of the locations and were submitted to the laboratory for analysis. Analytical results of the samples indicated TRPH and BTEX concentrations were below the TNRCC action levels. The former pump island locations were returned to surface grade by the installation of concrete.

Analytical results of the samples were submitted to the TNRCC Region 11 office for review. A notice of contamination letter was issued and an LPST number assigned to the site. Further investigation by a Limited Site Assessment (LSA) is recommended to determine appropriate remedial actions.

All excavated soil material was stockpiled on an impermeable liner on-site pending the receipt of analytical results. Stockpile material exhibiting contaminant concentrations below TNRCC action levels was utilized in backfilling. Stockpile material exhibiting contaminant concentrations above TNRCC action levels, but within Type 1 landfill disposal guidelines, was

transported to Waste Management, Comal County landfill for final disposition. Soil material exhibiting contaminant concentrations above the disposal guidelines was placed into a bioremediation cell which was constructed on-site. Subsequent sampling of the bio-cell material indicated a reduction in contaminant concentrations to within the disposal guidelines and the material was transported to the Comal County landfill for final disposition.

Balling mention of the

CHRONOLOGY OF EVENTS

23 Feb 94	PWI personnel review site and collect samples of tank fluids.
3-4 Mar 94	Analytical results of the fluid samples indicated the tanks contained water with minimal concentrations of petroleum hydrocarbons.
19 Apr 94	Fluids were removed and transported off-site for treatment/recycling.
20 Apr 94	Two (2) 9,000 and two (2) 12,000 gallon UST's were excavated and removed. Samples were collected.
27 Apr 94	Analytical results of the samples indicated TRPH and BTEX concentrations, above the TNRCC action levels, were present in various locations of the tank repository.
30 Apr 94	Three (3) concrete pump islands located to the northwest of the tank repository were removed. Samples were collected.
10 May 94	Analytical results of the samples were forwarded to the TNRCC Region 11 representative for review.
14 May 94	Analytical results of samples collected from pump island locations exhibited TRPH and BTEX concentrations below TNRCC action levels.
24 May 94	Notice of contamination letter was issued by the TNRCC Region 11 office. LPST number 108133 was assigned to the site.
9 Jun 94	Tank repository was over-excavated in an effort to remove contaminated soil. Confirmation samples were collected.
21 Jun 94 ·	Three (3) of the five (5) confirmation samples collected after over- excavation of the tank repository exhibited contaminant concentrations above the TNRCC action levels.

23 Jun 94	Impermeable liner was placed into the tank repository and backfilling activities were initiated. Pump house pit was excavated and removed.
24 Jun 94	Collected sample from floor of pump house pit excavation. Impermeable liner was placed into excavation and pump house pit excavation was backfilled.
29 Jun 94	Analytical results of sample collected from floor of pump house pit excavation exhibited TRPH concentrations above TNRCC action levels.
1 Jul 94	Backfilling activities were completed. Areas were restored to original grade.
Week of 22 Jul 94	Manifested and transported portion of stockpile material to Comal County landfill for final disposition.
23 Jul 94	Construction of on-site bio-remediation cell.
26 Jul 94	Samples collected from bio-cell material.
27 Jul 94	Installed concrete at former pump island locations.
31 Aug 94	Samples collected from bio-cell material.
Week of 6 Sept 94	Analytical results of the samples collected from the bio-cell material indicated contaminant concentrations were within the disposal guidelines. The remaining bio-cell material was manifested and transported to the Comal County landfill for final disposition.

SITE CHARACTERIZATION AND FIELD INVESTIGATION

Site No. 10-350 (tanks 8-11) is located between buildings 9-361 and 10-350 at the San Marcos Municipal Airport, on Hwy 21 East, in San Marcos (Caldwell County), Texas (see Figure 1). Two (2) UST systems were located at Site 10-350, however, for the purposes of reporting only the site containing tanks 8-11 is addressed in this document.

Tanks 1-7 were located in a separate repository to the southwest of tanks 8-11. Notice to Proceed for the removal of tanks 1-7 was issued under Delivery Orders No. 0006 & 0007 of the referenced contract. Tank removal and site operations at Site 10-350 (tanks 1-7) are outlined in a separate report.

Tanks 8-11 were reportedly used to dispense JP-4 fuel and the installation date was unknown. The system consisted of two (2) 9,000 and two (2) 12,000 gallon capacity steel tanks and a former pump house foundation which was located just north of the tanks. Three concrete pump islands and associated dispensers were also removed under delivery order No. 0008, but were believed to be associated with tanks 1-7.

On February 23, 1994 PWI personnel reviewed the site and collected samples of the fluids present in the tanks. Analytical results of the fluids indicated that the tanks contained water with minimal concentrations of petroleum hydrocarbons. On April 19, 1994 the fluids were removed and transported off-site for treatment/recycling.

The following day the four UST's and associated piping were excavated and removed. The tanks and piping were reported to be in poor condition. Tanks 8 and 11 exhibited splits along the welded seams. Visibly stained soils were also noted during inspection of the tank repository.

Samples were promptly collected from the appropriate locations and were submitted to the laboratory for the analysis of TRPH, BTEX, and total lead (Pb). Analytical results of the samples indicated TRPH and BTEX concentrations, above the TNRCC action levels, were present in various locations of the tank repository.

On June 9, 1994 the locations were over-excavated in an effort to remove the remaining contaminated soil. Confirmation samples were collected and submitted for laboratory analysis. Three (3) of the five (5) confirmation samples collected exhibited TRPH and/or BTEX concentrations above the TNRCC action levels. No further excavation was performed. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade.

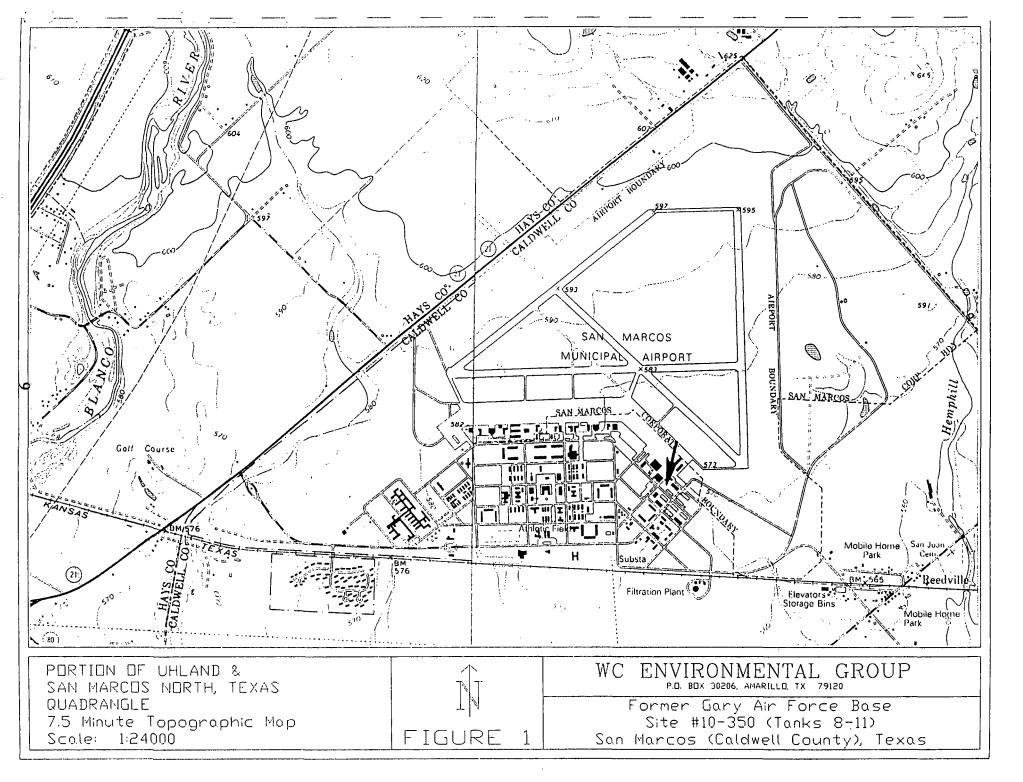
A 1' thick concrete foundation (approximately 19' x 11' x 2' deep) of a former structure which housed pumps associated with the UST system was located adjacent to the north of the tank repository. The foundation and remaining piping was excavated and removed. The area was excavated to a depth of approximately 5' below surface grade and a composite sample was collected from the floor of the excavation. Analytical results of the sample indicated TRPH concentrations were above the TNRCC action levels. No further over-excavation was performed in this area. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade.

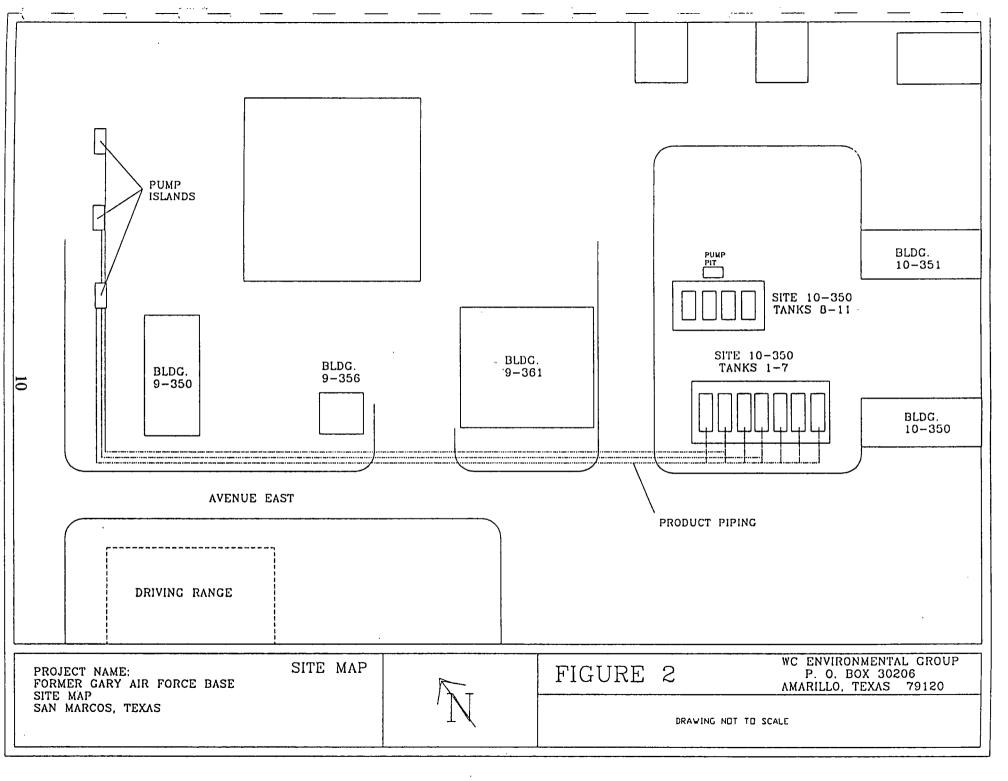
Three concrete pump islands and associated appurtenances were also removed under Deliver Order No. 0008 of the contract (see Figure 2). Soil samples were collected from each of the locations and were submitted for laboratory analysis. Analytical results of the samples exhibited TRPH and BTEX concentrations below the TNRCC action levels. Product piping was cut below surface grade and plugged with cement grout. The former pump island locations were

returned to surface grade by the installation of concrete. (Note: In-place abandonment of this product piping, which was routed to tanks 1-7 at Site 10-350, is outlined in a separate report which addresses the activities performed under Delivery Order No.'s 0006 & 0007 of the contract.)

Analytical results of the sampling events were submitted to the TNRCC Region 11 office for review. A notice of contamination letter was issued and an LPST number was assigned to the site. Further investigation by a Limited Site Assessment (LSA) is recommended to determine the appropriate remedial actions for the site.

All excavated soil material was stockpiled on an impermeable liner on-site pending the receipt of analytical results. Stockpile material exhibiting contaminant concentrations below the TNRCC action levels was utilized in backfilling operations. Stockpile material exhibiting contaminant concentrations above levels appropriate for use as backfill, but within Type 1 landfill disposal guidelines, was transported to Waste Management, Comal County landfill for final disposition. Soil material exhibiting contaminant concentrations above the disposal guidelines was placed into a bio-remediation cell which was constructed on-site. Subsequent sampling of the bio-cell material indicated a reduction in contaminant concentrations to within the disposal guidelines and the material was transported to the Comal County landfill for final disposition.





4

 $i^{\gamma_{\gamma_{\gamma_{\gamma}}}}$

guill-scionamannimasis-

Regional Geology And Hydrogeology

REGIONAL GEOLOGY AND HYDROGEOLOGY

Stratigraphy

The former Gary Air Force Base (San Marcos Municipal Airport) is located long the Balcones Fault Zone in the Black Prairies physiographic province. The geologic units which outcrop in the region are the result of marine, fluvial, and deltaic depositional environments during the Cretaceous of the Mesozoic and the Tertiary of the Cenozoic Era. The outcrops of these strata strike in a northeast - southwest direction and dip toward the southeast (see Figure 3).

The late Mesozoic was characterized by the advancement of the Cretaceous sea from the southeast (Gulf coast). Massive deposition of associated marine strata including; limestones, dolomites, marls, clays, and sandstones occurred which are the strata which can be seen outcropping in the region today. During the late Cretaceous the sea retreated back to the southeast.

As the sea retreated to the southeast the depositional environment changed to near shore marine, fluvial, and deltaic sequences. The fluctuating coastline allowed for the accumulation of Tertiary strata including; sands, sandstones, siltstones, and clays. This retreat of the sea lead to the depositional systems presently seen in the gulf coast area today.

The recent deposition in the region consists of Quaternary deposits which are the result of erosion and re-deposition of existing strata by streams and rivers, creating channel fills and stream terrace deposits.

Hydrogeology

The three major groundwater aquifers present in the region surrounding the City of San Marcos are the Edwards, Carrizo-Wilcox, and the Trinity.

The Edwards Aquifer includes the Edwards Limestone, the underlying Comanche Peak Limestone, and the overlying Georgetown Limestone, all of Cretaceous age. The outcrop and position of these units varies widely due to intense faulting and large topographic variations ¹. Thickness of the Edwards ranges from 400 to 500 feet. Yields of large-capacity wells average 1500 gallons per minute (gpm), but locally wells produce up to 3000 gpm. Total dissolved solids (TDS) tend to increase with depth but the aquifer generally contains less than 500 mg/l ².

The Trinity Group aquifer is lower Cretaceous in age. This aquifer produces useable quality groundwater and it includes the Paluxy (Antlers), Glen Rose, and Travis Peak (Twin Mountains) Formations ⁴. Total thickness of the aquifer ranges from less than 100 to more than 1200 feet. Yields of large-capacity wells average about 430 gpm, with wells in some areas yielding more than 2000 gpm. Water quality ranges from fresh to slightly saline; salinity generally increases with depth ².

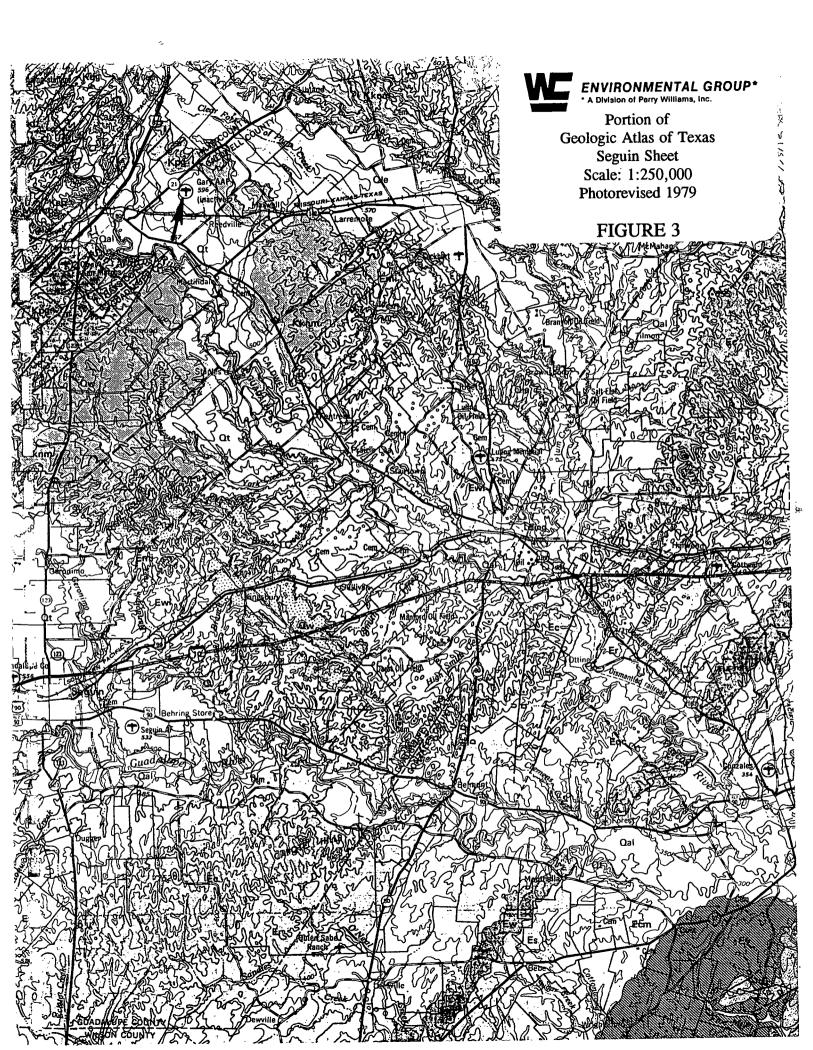
The Carrizo-Wilcox aquifer consists of the Carrizo Formation and the Wilcox Group, each of Tertiary age, with the Carrizo Formation being the younger of the two and uncomformably overlying the Wilcox Group ³. The aquifer has a total thickness that ranges up to more than 2000 feet. Yields of high-capacity wells average 500 gpm, but locally reach 1500 gpm. Water in the aquifer generally contains less than 1000 mg/l total dissolved solids ².

The two minor aquifers present in the region are the Queen City and the Sparta, both of Tertiary age. The Queen City aquifer has a maximum thickness of about 400 feet. Yields of large-capacity wells are generally less than 200 gpm, but locally reach a maximum of about 400

gpm. Water in the aquifer varies widely, containing from less than 1000 to as much as 3000 mg/l total dissolved solids ². The Sparta aquifer has a maximum thickness of approximately 100 feet. Yields of most wells are less than 100 gpm, but properly constructed wells could produce higher yields. Water in the aquifer contains from less than 1000 to about 3000 mg/l total dissolved solids ².

References

- Baker, E.T., Slade, R.M. Jr., Dorsey, M.E., Ruiz, L.M., and Duffin, G.L., 1986, Geohydrology of the Edwards Aquifer in the Austin Area, Texas, Texas Water Development Board, Rpt. 293
- 2. Water For Texas, Technical Appendix 2, 1984, Texas Department of Water Resources, GP-4-1
- Thorkildsen, D., Price, R. D., 1991, Ground-Water Resources of the Carrizo-Wilcox Aquifer in the Central Texas
 Region, Texas Water Development Board, Rpt. 332
- 4. Nordstrom, P. L., 1987, Ground-Water Resources of the Antlers and Travis Peak Formations in the Outcrop Area of North-Central Texas, Texas Water Development Board, Rpt. 298



Bigging manning manie

Site Geology And Hydrogeology

SITE GEOLOGY AND HYDROGEOLOGY

Site No. 10-350 (tanks 8-11) is located between buildings 9-361 and 10-350 at the San Marcos Municipal Airport, on Hwy 21 East, in San Marcos (Caldwell County), Texas. The site is approximately 570 feet above sea level and the topography is gently rolling (see Figure 4). Surface drainage appears to be toward the south-southeast into the San Marcos River.

Geology

The site is situated on Quaternary age fluvial stream terrace (Qt) deposits. The deposits consist of three or more levels which may correspond to coastal Pleistocene units; gravel, sand, silt, and clay in various proportions with gravel more prominent in the older, higher terraces; gravel along the Guadalupe River, siliceous, coarse, along Colorado River mostly limestone, chert, quartz, and various igneous and metamorphic rocks from the Llano region and Edwards Plateau; sand mostly quartz ¹. Mapping illustrates that some faulting is present in the area with the majority existing to the northwest of the site in the outcrops of the Cretaceous age Edwards Limestone and in the Del Rio Clay and Georgetown Formations.

The soil present at the site is the Branyon clay of the Branyon Series ². The Branyon series consists of deep, nearly level to gently sloping soils on old terraces. These soils formed in calcareous clayey alluvium. In a representative profile the surface layer is dark-gray calcareous clay about 44 inches thick. Below this is gray calcareous clay about 28 inches thick that has many slickensides. The next layer is light-gray clay that extends to a depth of 96 inches.

Branyon soils are moderately well drained. These soils take in water rapidly when they are dry and very slowly when they are wet. Available water capacity is high. Runoff is slow and the hazard of erosion is slight.

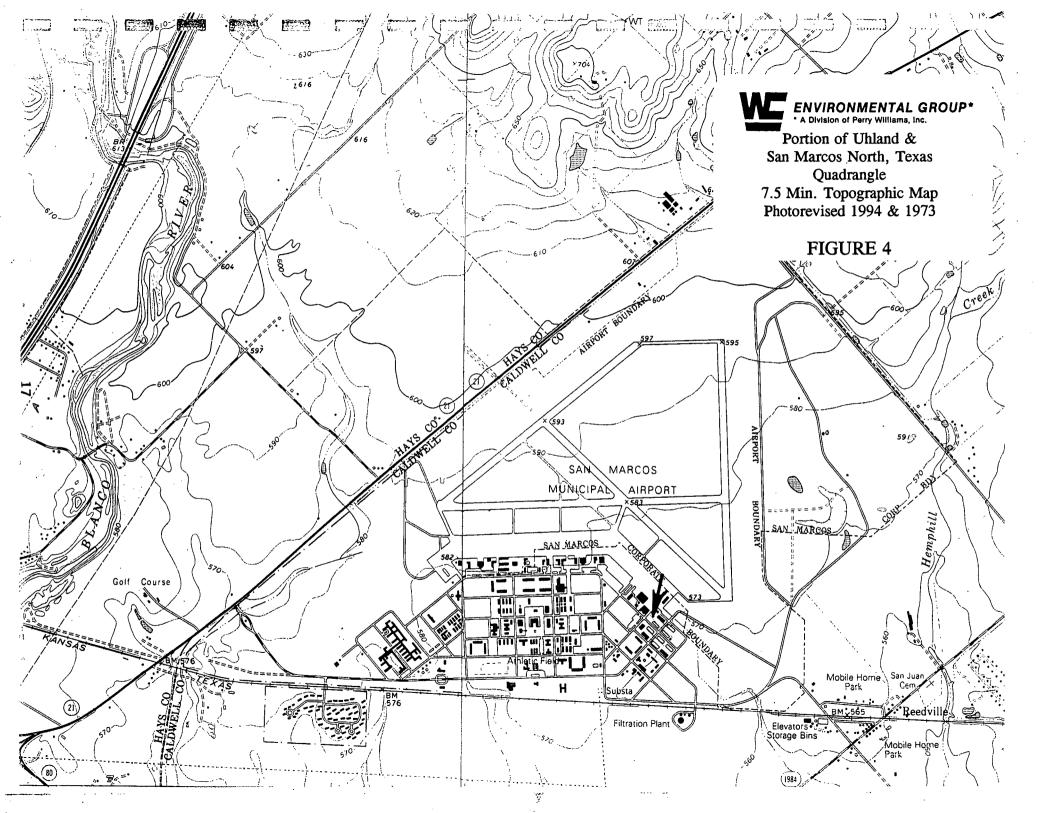
Hydrogeology

The two major groundwater aquifers present in the subsurface at the site are the Edwards and the Trinity Group, both of Cretaceous age. These units outcrop to the west of the site, strike in a northeast-southwest direction, and dip to the southeast. The major source of recharge to these aquifers is believed to be located along the outcrops which are situated west of the site. No extensive groundwater investigation was conducted at the site, therefore no definitive information may be given as to the occurrence or depth to these aquifers.

Other more localized or perched groundwater zones may be present in the subsurface. No groundwater was encountered during the removal of tanks 8-11, however, groundwater was encountered during over-excavation activities at Site 10-350, tanks 1-7. The groundwater occurred at a depth of approximately 22' below surface grade. Analytical results of soil samples collected from directly above the water table exhibited contaminant concentrations above the TNRCC action levels (see Site 10-350, D.O.0006 & 0007 report). No analytical results of the water were obtained but a hydrocarbon odor was reported to be present.

References

- Barnes, V. E., 1974, Seguin Sheet: The University of Texas at Austin, Bureau of Economic Geology, Geologic Atlas of Texas, scale: 1:250,000
- Lowther, A. C., Werchan, L. E., 1978, Soil Conservation Service, United States Department of Agriculture, Soil Survey of Caldwell County, Texas.



Pallinguinganinganing

ſ

SITE SOIL ASSESSMENT AND REMEDIAL OPERATIONS

On April 20, 1994 underground storage tanks 8-11 and associated piping were excavated and removed from Site No. 10-350. The tanks and piping were reported to be in poor condition. Portions of the welded seams were split open in tanks 8 and 11. In addition, visibly stained soils were noted during inspection of the tank repository. Soil samples were promptly collected from the appropriate locations in the tank repository (approximately 50' x 30' x11' deep) and were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb (see Figure 5, sample location map).

Four (4) of the sixteen (16) samples collected from the tank repository exhibited contaminant concentrations above the TNRCC action levels. The bottom hole sample (GAFB-10-350-08-BH) collected from below the former location of tank 8 exhibited a benzene concentration (2.5 ppm) above the TNRCC action level of .5 ppm. The bottom hole sample (GAFB-10-350-10-BH) and west wall sample (GAFB-10-350-10-WW) collected from the former location of tank 10 exhibited TRPH concentrations (3800 & 780 ppm) above the TNRCC action level of 500 ppm. The bottom hole sample (GAFB-10-350-11-BH) collected from the former tank 11 location also exhibited TRPH concentrations (6500 ppm) above the TNRCC action level. Total Pb concentrations of the samples ranged from 5.7 to 56 ppm. The total Pb concentrations did not appear to correlate to the areas which exhibited significant petroleum hydrocarbon contamination.

In summary, the bottom hole samples collected from below the former locations of tanks 8, 10, & 11, exhibited contaminant concentrations above the TNRCC action levels. In addition, the sample collected from the west wall of the tank 10 location also exhibited contaminant concentrations above the referenced action levels. Analytical results are presented in tabular form as Tables 1 & 2, Sample Testing Results.

On June 9, 1994 the areas of the tank repository which exhibited contaminant concentrations above the TNRCC action levels were over-excavated an additional 4' in an effort to remove the contaminated soil. Confirmation samples were collected and submitted to the laboratory for analysis (see Figure 6).

The bottom hole confirmation sample (GAFB-10-350-08-BH-OX) collected from below the tank 8 location exhibited TRPH (16705 ppm) and benzene (4.35 ppm) concentrations above the TNRCC action levels. The bottom hole confirmation sample (GAFB-10-350-10-BH-OX) collected from the tank 10 location exhibited TRPH concentrations (1400 ppm) above the action levels. The confirmation sample (GAFB-10-350-10-WW-OX) collected from the west wall of the tank 10 location exhibited contaminant concentrations below the method detection limits (MDL) used in analysis. The bottom hole confirmation sample (GAFB-10-350-11-BH-OX) collected subsequent to over-excavation below the tank 11 location, also exhibited a TRPH concentration (10285 ppm) above the action levels. No further over-excavation was performed.

In summary, the bottom hole confirmation samples, collected from below the former locations of tanks 8, 10, and 11, exhibited contaminant concentrations above the TNRCC action levels. Analytical results of the samples collected after over-excavation activities are presented in Table 3.

Excavated soil material was stockpiled on an impermeable liner pending the receipt on analytical results. Analytical results of the stockpiled material which was generated during initial removal operations exhibited TRPH and BTEX concentrations below the TNRCC action levels. The excavation was lined with an impermeable barrier and this material was utilized, in addition to imported fill, to restore the tank repository to original grade. Stockpile material generated

during over-excavation activities exhibited contaminant concentrations above the TNRCC action levels and was placed into a bio-remediation cell which was constructed on-site.

A concrete foundation of a former structure which housed the associated pumps was located adjacent to the north of the tank repository. On April 30, 1994 the concrete foundation was removed and the area was excavated to a depth of approximately 5' below surface grade (see figure 5). A sample was collected from the floor of the excavation and was submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb.

Analytical results of the sample (GAFB-10-350-PP-BH) exhibited TRPH concentrations (900 ppm) above the TNRCC action level. The Pb concentration reported was 5.1 ppm (see Table 4). No further over-excavation was performed.

Soil material generated during the excavation of the pump pit was stockpiled on an impermeable liner pending the receipt of analytical results. Analytical results indicated the material was not appropriate for use as backfill. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade utilizing imported fill material.

As previously referenced, three remote pump islands which were located to the northwest of site 10-350, were removed under delivery order No. 0008 (see Figure 7). The concrete pump islands supported dispensing equipment and were believed to be associated with tanks 1-7 which were also located at Site 10-350. Subsequent to removal, soil samples were collected from each former pump island location and were submitted for laboratory analysis. No excavated soil was generated during these activities.

Analytical results of the samples (GAFB-10-350-PI-1...PI-3) indicated TRPH and BTEX concentrations were below the TNRCC action levels. Significant total Pb concentrations ranging

from 106.1 to 173.4 ppm were present in the samples (see Table 5). Further TCLP Pb analysis indicated that leachable Pb concentrations were below the method detection limits (see Table 6).

The product piping associated with the dispensers was routed to tanks 1-7 at Site 10-350. A discussion of the in-place abandonment activities is outlined in report 10-350, D.O. 0006 & 0007. The piping stubs located at the former pump island locations were cut below grade and were plugged with cement grout. The areas were then returned to surface grade by the installation of concrete.

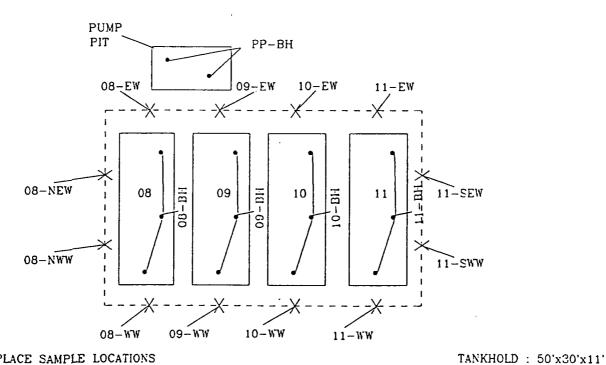
As previously stated, analytical results of the sampling events were submitted to the TNRCC Region 11 office for review. A notice of contamination letter was issued and an LPST number was assigned to the site. Further investigation by a Limited Site Assessment (LSA) is recommended to determine appropriate remedial actions.

SAMPLE LOCATIONS

SPA	SPG
SPB	SPH
SPC	SPI
SPD	SPJ
SPE	SPK
SPF	SPL

NOTE: 600 cyds SAMPLED ON 50 cyds BASIS 12 SAMPLES

STOCKPILE : 72'x20'x8'



X = IN-PLACE SAMPLE LOCATIONS

• = BOTTOM HOLE COMPOSITE LOCATIONS

PROJECT NAME: GARY AFB

SITE 10-350 D.O.# 0008

FIGURE

PERRY VILLIAMS, INC. P. D. BOX 30206 AMARILLO, TEXAS 79:20

SCALE 1" = 15'

22

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	ТПРН	BTEX	Lead
4/20/94	35518	GAFB-10-350-08-BH	Soil	<10 ppm	62.5 ppm	5.9 ppm
4/20/94	35523	GAFB-10-350-08-NWW	Soil	70 ppm	<2.4 ppm	38 ppm
4/20/94	35524	GAFB-10-350-08-NEW	Soil	29 ppm	<2.4 ppm	28 ppm
4/20/94	35527	GAFB-10-350-08-EW	Soil	74 ppm	<2.4 ppm	56 ppm
4/20/94	35531	GAFB-10-350-08-WW	Soil	<10 ppm	<2:4 ppm	9.7 ppm
4/20/94	35520	GAFB-10-350-09-BH	Soil	86 ppm	<2.4 ppm	15 ppm
4/20/94	35528	GAFB-10-350-09-EW	Soil	<10 ppm	<2.4 ppm	6.5 ppm
4/20/94	35532	GAFB-10-350-09-WW	Soil	<10 ppm	<2.4 ppm	5.7 ppm
4/20/94	35521	GAFB-10-350-10-BH	Soil	3800 ppm	<2.4 ppm	8.9 ppm
4/20/94	35529	GAFB-10-350-10-EW	Soil	<10 ppm	< 2.4 ppm	14 ppm
4/20/94	35533	GAFB-10-350-10-WW	Soil	780 ppm	<2.4 ppm	6.4 ppm
4/20/94	35522	GAFB-10-350-11-BH	Soil	6500 ppm	2.0 ppm	10 ppm
4/20/94	35525	GAFB-10-350-11-SWW	Soil	16 ppm	< 2.4 ppm	6.9 ppm
4/20/94	35526	GAFB-10-350-11-SEW	Soil	101 ppm	< 2.4 ppm	8.5 ppm
4/20/94	35530	GAFB-10-350-11-EW	Soil	<10 ppm	< 2.4 ppm	6.4 ppm

TABLE 1

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
4/20/94	35534	GAFB-10-350-11-WW	Soil	<10 ppm	<2.4 ppm	6.1 ppm
4/20/94	35519	GAFB-10-350-08-BH/QC	Soil	<10 ppm	33.5 ppm	5.5 ppm
	" 					

OVER-EXCAVATION SAMPLE LOCATIONS PUMP AREAS OF OVER-EXCAVATION 08-BH-0X € 11-BH-OX 10-BH-0X 10-WW-0X TANK REPOSITORY

● = BOTTOM HOLE COMPOSITE SAMPLE LOCATIONS

X = IN-PLACE SAMPLE LOCATIONS

PROJECT NAME: GARY AFB SITE 10-350 (TANKS 8-11) D.O.# 0008



FIGURE 6

PERRY WILLIAMS, INC. P. O. BOX 30206 AMARILLO, TEXAS 79120

0 15.

SCALE 1" = 15'

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
6/9/94	2603	GAFB-10-350-08-BH-OX	Soil	16705 ppm	83.04 ppm	<5 ppm
6/9/94	2604	GAFB-10-350-10-BH-OX	Soil	1400 ppm	<1.17 ppm	<5 ppm
6/9/94	2606	GAFB-10-350-10-WW-OX	Soil	<5 ppm	< 0.6 ppm	7.5 ppm
6/9/94	2607	GAFB-10-350-11-BH-OX	Soil	10285 ppm	3.94 ppm	6.1 ppm
6/9/94	2608	GAFB-10-350-11-SEW-OX	Soil	<5 ppm	<0.6 ppm	<5 ppm
					 	
6/9/94	2601	TRIP BLANK	Water	N/A	<0.030 ppm	N/A
6/9/94	2602	GAFB-10-350-08-BH-OX/RB	Water	<0.200 ppm	<0.030 ppm	<0.1 ppm
6/9/94	2605	GAFB-10-350-10-BH-OX/QC	Soil	1195 ppm	< 0.87 ppm	<5 ppm
	<u> </u>					

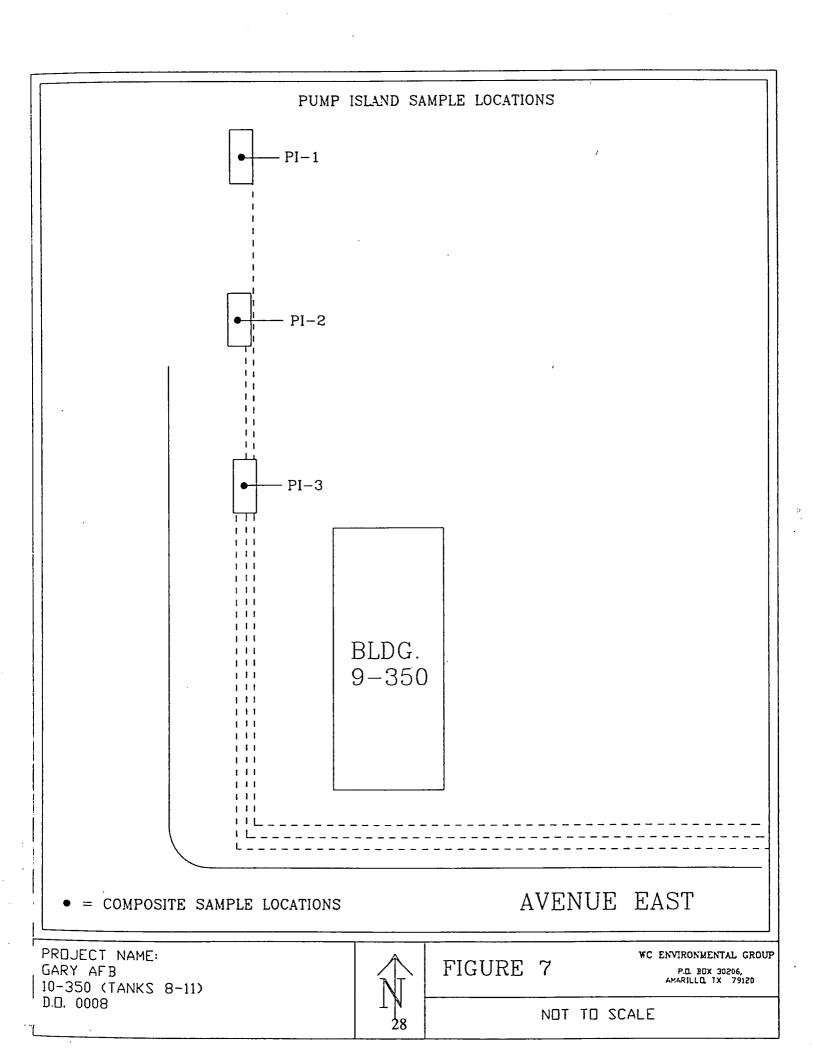
TABLE 3

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
6/24/94	4003	GAFB-10-350-PP-BH	Soil	900 ppm	<0.6 ppm	5.1 ppm
6/24/94	4004	GAFB-10-350-PP-SPA	Soil	785 ppm	<2.69 ppm	55.2 ppm
6/24/94	4005	GAFB-10-350-PP-SPB	Soil	565 ppm	< 0.66 ppm	22.1 ppm
					· · · · · · · · · · · · · · · · · · ·	
						······································
	 					

TABLE 4



Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
4/30/94	404045-4	GAFB-10-350-PI-1	Soil	105 ppm	< 0.6 ppm	148.8 ppm
4/30/94	404045-5	GAFB-10-350-PI-2	Soil	<5 ppm	<0.6 ppm	106.1 ppm
4/30/94	404045-6	GAFB-10-350-PI-3	Soil	20 ppm	<0.6 ppm	173.4 ppm
4/30/94	404045-1	TRIP BLANK	Water	N/A	< 0.030 ppm	N/A
4/30/94	404045-2	GAFB-10-350-PI-1/RB	Water	<0.200 ppm	< 0.030 ppm	<0.1 ppm
4/30/94	404045-3	GAFB-10-350-PI-1/QC	Soil	14 ppm	<0.6 ppm	173.1 ppm
		V				

TABLE 5

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Date Sampled	Lab ID#	Field Description	Matrix	TCLP Lead (MG/L)
4/30/94	405045-4	GAFB-10-350-PI-1	Soil	< 0.1
4/30/94	405045-5	GAFB-10-350-PI-2	Soil	< 0.1
4/30/94	405045-6	GAFB-10-350-PI-3	Soil	< 0.1

SITE EXCAVATED SOIL ASSESSMENT AND DISPOSITION

Approximately 600 cubic yards of soil were generated during initial tank removal activities. The material was placed on a impermeable liner and was sampled on a 50 cubic yard basis. The samples were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb.

Analytical results of the samples (GAFB-10-350-SPA...SPL) exhibited TRPH concentrations ranging from below the method detection limits (<10 ppm) to 480 ppm. BTEX concentrations were below the method detection limits (<2.4 ppm) and total Pb concentrations ranged from 11 to 32 ppm (see Table 7). This material was utilized, in addition to imported fill material, to backfill the tank repository.

Approximately 300 cubic yards of soil were generated during over-excavation activities. This material was also placed on a impermeable liner and was sampled on a 50 cubic yard basis. Analytical results of the samples (GAFB-10-350-SPA-OX...SPF-OX) exhibited TRPH concentrations ranging from <5 to 6560 ppm. BTEX concentrations ranged from <0.6 to 12.18 ppm. Total Pb concentrations ranged from 5.7 to 19.2 ppm (see Table 8).

Stockpiles SPE-OX and SPF-OX (GAFB-10-350-SPE-OX & GAFB-10-350-SPF-OX) exhibited TRPH concentrations of <5 ppm which did not appear to be representative of the material which was present. The stockpiles were re-sampled and submitted for laboratory analysis.

Analytical results of the second sample (GAFB-10-350-SPE-OX-RS) collected from stockpile SPE-OX exhibited TRPH concentration of 2945 ppm. BTEX concentrations were < .68 ppm and the total Pb concentration was 18.2 ppm. The second sample collected from stockpile SPF-OX (GAFB-10-350-SPF-OX-RS) exhibited a TRPH concentration of 2140 ppm. BTEX concentrations were below the method detection limits (< .6 ppm) and the total Pb concentration was 17.8 ppm

(see Table 9). The analytical results of the second set of samples appeared to be more indicative of contaminant levels present in the soil material.

Of the material generated during over-excavation activities, only stockpile SPB-OX (GAFB-10-350-SPB-OX) exhibited contaminant concentrations within the landfill disposal guidelines of <1500 ppm TRPH. During the week of July 22, 1994 this material was transported to the Comal County landfill for final disposition. The remaining five (5) stockpiles were placed into a bio-remediation cell which was constructed on-site. The cell was properly lined and bermed to prevent run-on/run-off.

On July 26, 1994 the stockpiles were sampled to monitor the progress of remediation. Analytical results of the samples (GAFB-10-350-SPA-OX-RM, GAFB-10-350-SPC-OX-RM, GAFB-10-350-SPD-OX-RM, GAFB-10-350-SPE-OX-RM, GAFB-10-350-SPF-OX-RM) indicated that four (4) of the five (5) stockpiles exhibited TRPH concentrations within the disposal guidelines. BTEX concentrations were below the method detection limits and total Pb concentrations also appeared to be within the disposal guidelines (see Table 10).

Stockpile SPD-OX (GAFB-10-350-SPD-OX-RM) exhibited a TRPH concentration (2165 ppm) above the disposal guidelines of <1500 ppm. On August 31, 1994 stockpile SPD-OX was sampled again to monitor the progress of remediation. Analytical results of the sample (GAFB-10-350-SPD-OX-RM2) indicated a reduction in TRPH concentrations (45 ppm) to within the disposal guidelines (see Table 11). During the week of September 6, 1994 the five remaining over-excavation stockpiles were transported to the Comal County landfill for final disposition. No excess soil remains on-site.

Approximately 100 cubic yards of soil were generated during the removal of the former pump house pit location. The material was sampled on a 50 cubic yard basis and the samples

were submitted for the analysis of TRPH, BTEX, and total Pb. Analytical results of the samples (GAFB-10-350-PP-SPA & GAFB-10-350-PP-SPB) indicated TRPH (785 & 565 ppm) and BTEX concentrations (<2.69 & <.66 ppm) were within the disposal guidelines. Total Pb concentrations reported were 55.2 & 22.1 ppm (see Table 12).

The total Pb concentration (55.2 ppm) present in stockpile SPA (GAFB-10-350-PP-SPA) required further TCLP Pb analysis to determine if concentrations were appropriate for disposal in the Comal County landfill. Analytical results indicated leachable Pb concentrations were within the disposal guidelines of < 3.0 mg/L (see Table 13). During the week of July 23, 1994 the material was transported to the Comal County landfill for final disposition. No excess soil remains on-site.

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler:

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
4/20/94	35505	GAFB-10-350-SPA	Soil	<10 ppm	<2.4 ppm	11 ppm
4/20/94	35507	GAFB-10-350-SPB	Soil	130 ppm	<2.4 ppm	27 ppm
4/20/94	35508	GAFB-10-350-SPC	Soil	130 ppm	<2.4 ppm	31 ppm
4/20/94	35509	GAFB-10-350-SPD	Soil	< 10 ppm	<2.4 ppm	31 ppm
4/20/94	35510	GAFB-10-350-SPE	Soil	96 ppm	<2.4 ppm	29 ppm
4/20/94	35511	GAFB-10-350-SPF	Soil	360 ppm	< 2.4 ppm	18 ppm
4/20/94	35512	GAFB-10-350-SPG	Soil	79 ppm	<2.4 ppm	26 ppm
4/20/94	35513	GAFB-10-350-SPH	Soil	140 ppm	< 2.4 ppm	32 ppm
4/20/94	35514	GAFB-10-350-SPI	Soil	29 ppm	<2.4 ppm	17 ppm
4/20/94	35515	GAFB-10-350-SPJ	Soil	480 ppm	<2.4 ppm	19 ppm
4/20/94	35516	GAFB-10-350-SPK	Soil	210 ppm	< 2.4 ppm	20 ppm
4/20/94	35517	GAFB-10-350-SPL	Soil	38 ppm	< 2.4 ppm	27 ppm
	· · · · · · · · · · · · · · · · · · ·					

TABLE 7

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
6/9/94	2609	GAFB-10-350-SPA-OX	Soil	6560 ppm	<3.31 ppm	14.6 ppm
6/9/94	2610	GAFB-10-350-SPB-OX	Soil	870 ppm	< 0.6 ppm	19.2 ppm
6/9/94	2611	GAFB-10-350-SPC-OX	Soil	2260 ppm	<1.76 ppm	12.9 ppm
6/9/94	2612	GAFB-10-350-SPD-OX	Soil	4230 ppm	<0.95 ppm	9.4 ppm
6/9/94	2613	GAFB-10-350-SPE-OX	Soil	<5 ppm	< 0.6 ppm	7.6 ppm
6/9/94	2614	GAFB-10-350-SPF-OX	Soil	<5 ppm	12.18 ppm	5.7 ppm
	·					

TABLE 8

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Date Sampled	Lab ID#	Field Description	Matrix	ТПРН	BTEX	Lead
6/23/94	4001	GAFB-10-350-SPE-OX-RS	Soil	2945 ppm	< 0.68 ppm	18.2 ppm
6/23/94	4002	GAFB-10-350-SPF-OX-RS	Soil	2140 ppm	<0.6 ppm	17.8 ppm
						···
	·· ·······					

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

France of

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	ТКРН	BTEX	Lead
7/26/94	8408	GAFB-10-350-SPA-OX-RM	Soil	<5 ppm	<0.6 ppm	18.0 ppm
7/26/94	8407	GAFB-10-350-SPC-OX-RM	Soil	900 ppm	< 0.6 ppm	17.2 ppm
7/26/94	8406	GAFB-10-350-SPD-OX-RM	Soil	2165 ppm	< 0.6 ppm	22.3 ppm
7/26/94	8405	GAFB-10-350-SPE-OX-RM	Soil	55 ppm	<0.6 ppm	17.0 ppm
7/26/94	8404	GAFB-10-350-SPF-OX-RM	Soil	285 ppm	<0.6 ppm	13.9 ppm

7/26/94	8401	TRIP BLANK	Water	N/A	<0.030 ppm	N/A
7/26/94	8402	GAFB-10-350-SPF-OX-RM/RB	Water	<0.200 ppm	<0.030 ppm	< 0.1 ppm
7/26/94	8403	GAFB-10-350-SPF-OX-RM/QC	Soil	260 ppm	< 0.6 ppm	13.8 ppm

TABLE 10

Æ.

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Sampler: Walter Carlock

Date Sampled	Lab ID#	Field Description	Matrix	ТКРН	BTEX	Lead
8/31/94	12401	GAFB-10-350-SPD-OX-RM-2	Soil	45 ppm	N/A	N/A
_	··········					
	··········					
	 -					
	****				<u></u>	
	 ,					
-						
	 .		<u> </u>			

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

Lab ID#	Field Description	Matrix	ТПРН	BTEX	Lead
4003	GAFB-10-350-PP-BH	Soil	900 ppm	<0.6 ppm	5.1 ppm
4004	GAFB-10-350-PP-SPA	Soil	785 ppm	<2.69 ppm	55.2 ppm
4005	GAFB-10-350-PP-SPB	Soil	565 ppm	< 0.66 ppm	22.1 ppm
····					· · · · · · · · · · · · · · · · · · ·
	4003	4003 GAFB-10-350-PP-BH 4004 GAFB-10-350-PP-SPA 4005 GAFB-10-350-PP-SPB	4003 GAFB-10-350-PP-BH Soil 4004 GAFB-10-350-PP-SPA Soil 4005 GAFB-10-350-PP-SPB Soil	4003 GAFB-10-350-PP-BH Soil 900 ppm 4004 GAFB-10-350-PP-SPA Soil 785 ppm 4005 GAFB-10-350-PP-SPB Soil 565 ppm	4003 GAFB-10-350-PP-BH Soil 900 ppm <0.6 ppm 4004 GAFB-10-350-PP-SPA Soil 785 ppm <2.69 ppm 4005 GAFB-10-350-PP-SPB Soil 565 ppm <0.66 ppm

TABLE 12

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: <u>0008</u>

<0.1

SITE GROUNDWATER/SURFACE WATER ASSESSMENT

No groundwater or surface water was encountered or impacted by these activities. Groundwater was encountered during over-excavation activities at Site 10-350, tanks 1-7.

FREE PHASE HYDROCARBON/TANK CONTENTS

Prior to tank removal activities, samples were collected from the fluids present in the tanks. The samples were submitted to the laboratory for the analysis of TRPH, BTEX, 8 RCRA metals, PCB's, volatile and semi-volatile organics.

Analytical results of the samples (GAFB-10-350-08-TC, GAFB-10-350-09-TC, GAFB-10-350-10-TC, & GAFB-10-350-11-TC) indicated the tanks contained water with minimal concentrations of petroleum hydrocarbons (see following analytical). The approximately 7,000 gallons of fluid were manifested and transported off-site for recycling/treatment by Mobley Company, Corsicana Fuel Facility, Corsicana, Texas.

Contract No: DACA63-92-D-0047

Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Zone: <u>4</u>

Order No: <u>0008</u>

Sampler: Walter Carlock

Date Sampled	Lab ID#	Field Description	Matrix	ТПРН	BTEX	Lead
2/23/94	34224	GAFB-10-350-08-TC	Water	53. ppm	N/A	N/A
2/23/94	34226	GAFB-10-350-09-TC	Water	590. ppm	N/A	N/A
2/23/94	34227	GAFB-10-350-10-TC	Water	140. ppm	N/A	N/A
2/23/94	34225	GAFB-10-350-11-TC	Water	10. ppm	N/A	N/A
	· 					
	,					-
			_			

45

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

8 RCRA METALS

Date Sampled	Lab ID#	Field Description	Matrix	Parameter	Value	Units	Analytical Method
2/23/94	34224	GAFB-10-350-08-TC	Water	Total Arsenic	<.042	MG/L	3005/6010
				Total Barium	.25	MG/L	3005/6010
				Total Cadmium	<.002	MG/L	3005/6010
				Total Chromium	<.003	MG/L	3005/6010
				Total Lead	<.021	MG/L	3005/6010
				Total Mercury	<.001	MG/L	3005/7470
				Total Selenium	<.061	MG/L	3005/6010
				Total Silver	<.003	MG/L	3005/6010
							,

4

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

8 RCRA METALS

Date Sampled	Lab ID#	Field Description	Matrix	Parameter	Value	Units	Analytical Method
2/23/94	34226	GAFB-10-350-09-TC	Water	Total Arsenic	<.042	MG/L	3005/6010
				Total Barium	.25	MG/L	3005/6010
				Total Cadmium	.006	MG/L	3005/6010
				Total Chromium	.008	MG/L	3005/6010
				Total Lead	1.8	MG/L	3005/6010
				Total Mercury	<.001	MG/L	3005/7470
				Total Selenium	<.061	MG/L	3005/6010
				Total Silver	<.003	MG/L	3005/6010
,							

3

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

8 RCRA METALS

Date Sampled	Lab ID#	Field Description	Matrix	Parameter	Value	Units	Analytical Method
2/23/94	34227	GAFB-10-350-10-TC	Water	Total Arsenic	<.042	MG/L	3005/6010
				Total Barium	.53	MG/L	3005/6010
				Total Cadmium	.015	MG/L	3005/6010
				Total Chromium	<.003	MG/L	3005/6010
				Total Lead	.50	MG/L	3005/6010
				Total Mercury	<.001	MG/L	3005/7470
				Total Selenium	<.061	MG/L	3005/6010
				Total Silver	<.003	MG/L	3005/6010

s **g**eografi

Contract No: DACA63-92-D-0047

SAMPLE TESTING RESULTS

Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Zone: <u>4</u>

Order No: 0008 Sampler: Walter Carlock

8 RCRA METALS

Date Sampled	Lab ID#	Field Description	Matrix	Parameter	Value	Units	Analytical Method
2/23/94	34225	GAFB-10-350-11-TC	Water	Total Arsenic	<.042	MG/L	3005/6010
				Total Barium	.17	MG/L	3005/6010
				Total Cadmium	.006	MG/L	3005/6010
				Total Chromium	<.003	MG/L	3005/6010
				Total Lead	1.6	MG/L	3005/6010
				Total Mercury	<.001	MG/L	3005/7470
				Total Selenium	<.061	MG/L	3005/6010
				Total Silver	<.003	MG/L	3005/6010

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

PCB (Polychlorinated Biphenyls)

Date Sampled	Lab ID#	Field Description	Matrix	Analyte	MDL	Units	Results	Test Method
2/23/94	34224	GAFB-10-350-08-TC	Water	Aroclor 1016	5.0	UG/L	ND	8080
				Aroclor 1221	5.0	UG/L	ND	8080
				Aroclor 1232	5.0	UG/L	ND	8080
				Aroclor 1242	5.0	UG/L	ND	8080
				Aroclor 1248	5.0	UG/L	ND	8080
				Aroclor 1254	5.0	UG/L	ND	8080
				Aroclor 1260	5.0	UG/L	ND	8080
						·		
	-							
								· · · · · · · · · · · · · · · · · · ·

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

PCB (Polychlorinated Biphenyls)

Date Sampled	Lab ID#	Field Description	Matrix	Analyte	MDL	Units	Results	Test Method
2/23/94	34226	GAFB-10-350-09-TC	Water	Aroclor 1016	5.0	UG/L	ND	8080
				Aroclor 1221	5.0	UG/L	ND	8080
				Aroclor 1232	5.0	UG/L	ND	8080
				Aroclor 1242	5.0	UG/L	ND	8080
				Aroclor 1248	5.0	UG/L	ND	8080
				Aroclor 1254	5.0	UG/L	ND	8080
				Aroclor 1260	5.0	UG/L	ND	8080
				· · · · · · · · · · · · · · · · · · ·				

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

PCB (Polychlorinated Biphenyls)

Date Sampled	Lab ID#	Field Description	Matrix	Analyte	MDL	Units	Results	Test Method
2/23/94	34227	GAFB-10-350-10-TC	Water	Aroclor 1016	5.0	UG/L	ND	8080
				Aroclor 1221	5.0	UG/L	ND	8080
				Aroclor 1232	5.0	UG/L	ND	8080
				Aroclor 1242	5.0	UG/L	ND	8080
			-	Aroclor 1248	5.0	UG/L	ND	8080
				Aroclor 1254	5.0	UG/L	ND	8080
				Aroclor 1260	5.0	UG/L	ND	8080
	· ·							

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #10350 Tanks 8-11 San Marcos, TX Zone: 4

Order No: 0008 Sampler: Walter Carlock

PCB (Polychlorinated Biphenyls)

Date Sampled	Lab ID#	Field Description	Matrix	Analyte	MDL	Units	Results	Test Method
2/23/94	34225	GAFB-10-350-11-TC	Water	Aroclor 1016	5.0	UG/L	ND	8080
				Aroclor 1221	5.0	UG/L	ND	8080
				Aroclor 1232	5.0	UG/L	ND	8080
				Aroclor 1242	5.0	UG/L	ND	8080
			·	Aroclor 1248	5.0	UG/L	ND	8080
				Aroclor 1254	5.0	UG/L	ND	8080
·				Aroclor 1260	5.0	UG/L	ND	8080

Contract No.: <u>DACA63-92-D-0047</u> Delivery Order: <u>0008</u> Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: GAFB-10-350-08-TC Sampler: Walter Carlock

Lab ID# 34224 Matrix: Water Date Sampled: 2/23/94

FULL VOLATILE Page 1 of 2

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	Method
Acetone	< 0.010	0.010	mg/l	8260
Acrolein	< 0.005	0.005	mg/l	8260
Acrylonitrile	< 0.004	0.004	mg/l	8260
Allyl chloride	< 0.003	0.003	mg/l	8260
Benzene	< 0.003	0.003	mg/l	8260
Bromodichloromethane	< 0.003	0.003	mg/l	8260
Bromoform	< 0.002	0.002	mg/l	8260
Bromomethane	< 0.006	0.006	mg/l	3260
2-Butanone (MEK)	< 0.010	0.010	mg/l	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	8260
Chlorobenzene	< 0.004	0.004	mg/l	8260
Chloroethane	< 0.002	0.002	mg/l	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	8260
Chloroform	< 0.003	0.003	mg/l	8260
Chloromethane	< 0.005	0.005	mg/l	8260
Dibromochloromethane	< 0.003	0.003	mg/l	8260
1,2-Dibromo-3-chloropropane	< 0.006	0.006	mg/l	8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	8260
Dibromomethane	< 0.002	0.002	mg/l	8260
1,2-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,4-Dichlorobenzene	< 0.006	0.006	mg/l	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	8260
1,1-0.005Dichloroethane	< 0.003	0.003	mg/l	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	8260
trans-1,3-Dichlopropene	< 0.003	0.003	mg/l	8260

FULL VOLATILE Lab ID# 34224 (continued page 2 of 2)

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	Method
Diethyl ether	< 0.005	0.005	mg/l	8260
Ethylbenzene	< 0.005	0.005	mg/l	8260
Ethylmethacrylate	< 0.005	0.005	mg/l	8260
2-Hexanone	< 0.006	0.006	mg/l	8260
Iodomethane	< 0.005	0.005	mg/l	8260
Methacrylonitrile	< 0.005	0.005	mg/l	8260
Methylene chloride	< 0.004	0.004	mg/l	8260
Methylmethacrylate	< 0.004	0.004	mg/l	8260
4-Methyl-2-pentanone (MIBK)	< 0.010	0.010	mg/l	8260
Propionitrile	< 0.010	0.010	mg/l	8260
Styrene	< 0.004	0.004	mg/l	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	8260
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	8260
Tetrachloroethene	< 0.005	0.005	mg/l	8260
Toluene	< 0.003	0.003	mg/l	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	8260
Trichloroethene	< 0.002	0.002	mg/l	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	8260
m,p-Xylene	0.010	0.005	mg/l	8260
o-Xylene	0.008	0.004	mg/l	8260
Vinyl Chloride	< 0.002	0.002	mg/l	8260

Contract No.: <u>DACA63-92-D-0047</u> Delivery Order: <u>0008</u> Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: GAFB-10-350-10-TC Sampler: Walter Carlock

Lab ID# 34227 Matrix: Water Date Sampled: 2/23/94

FULL VOLATILE Page 1 of 2

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	Method
Acetone	< 0.010	0.010	mg/l	8260
Acrolein	< 0.005	0.005	mg/l	8260
Acrylonitrile	< 0.004	0.004	mg/l	8260
Allyl chloride	< 0.003	0.003	mg/l	8260
Benzene	< 0.003	0.003	mg/l	8260
Bromodichloromethane	< 0.003	0.003	mg/l	8260
Bromoform	< 0.002	0.002	mg/l	8260
Bromomethane	< 0.006	0.006	mg/l	8260
2-Butanone (MEK)	< 0.010	0.010	mg/l	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	8260
Chlorobenzene	< 0.004	0.004	mg/l	8260
Chloroethane	< 0.002	0.002	mg/l	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	8260
Chloroform	< 0.003	0.003	mg/l	8260
Chloromethane	< 0.005	0.005	mg/l	8260
Dibromochloromethane	< 0.003	0.003	mg/l	8260
1,2-Dibromo-3-chloropropane	< 0.006	0.006	mg/l	8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	8260
Dibromomethane	< 0.002	0.002	mg/l	8260
1,2-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,4-Dichlorobenzene	< 0.006	0.006	mg/l	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	8260
1,1-0.005Dichloroethane	< 0.003	0.003	mg/l	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	8260
trans-1,3-Dichlopropene	< 0.003	0.003	mg/l	8260

FULL VOLATILE Lab ID# 34227 (continued page 2 of 2)

		Quant.		
<u>Parameter</u>	Results	<u>Limit</u>	<u>Units</u>	Method
Diethyl ether	< 0.005	0.005	mg/l	8260
Ethylbenzene	0.010	0.005	mg/l	8260
Ethylmethacrylate	< 0.005	0.005	mg/l	8260
2-Hexanone	< 0.006	0.006	mg/l	8260
Iodomethane	< 0.005	0.005	mg/l	8260
Methacrylonitrile	< 0.005	0.005	mg/l	8260
Methylene chloride	< 0.004	0.004	mg/l	8260
Methylmethacrylate	< 0.004	0.004	mg/l	8260
4-Methyl-2-pentanone (MIBK)	< 0.010	0.010	mg/l	8260
Propionitrile	< 0.010	0.010	mg/l	8260
Styrene	< 0.004	0.004	mg/l	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	8260
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	8260
Tetrachloroethene	< 0.005	0.005	mg/l	8260
Toluene	0.011	0.003	mg/l	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	8260
Trichloroethene	< 0.002	0.002	mg/l	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	8260
m,p-Xylene	0.039	0.005	mg/l	8260
o-Xylene	0.026	0.004	mg/l	8260
Vinyl Chloride	< 0.002	0.002	mg/l	8260

Contract No.: <u>DACA63-92-D-0047</u> Delivery Order: <u>0008</u> Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: <u>GAFB-10-350-11-TC</u> Sampler: <u>Walter Carlock</u>

Lab ID# 34225 Matrix: Water Date Sampled: 2/23/94

FULL VOLATILE Page 1 of 2

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	Method
Acetone	< 0.010	0.010	mg/l	8260
Acrolein	< 0.005	0.005	mg/l	8260
Acrylonitrile	< 0.004	0.004	mg/l	8260
Allyl chloride	< 0.003	0.003	mg/l	8260
Benzene	< 0.003	0.003	mg/l	8260
Bromodichloromethane	< 0.003	0.003	mg/l	8260
Bromoform	< 0.002	0.002	mg/l	8260
Bromomethane	< 0.006	0.006	mg/l	8260
2-Butanone (MEK)	< 0.010	0.010	mg/l	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	8260
Chlorobenzene	< 0.004	0.004	mg/l	8260
Chloroethane	< 0.002	0.002	mg/l	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	8260
Chloroform	< 0.003	0.003	mg/l	8260
Chloromethane	< 0.005	0.005	mg/l	8260
Dibromochloromethane	< 0.003	0.003	mg/l	8260
1,2-Dibromo-3-chloropropane	< 0.006	0.006	mg/l	8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	8260
Dibromomethane	< 0.002	0.002	mg/l	8260
1,2-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,4-Dichlorobenzene	< 0.006	0.006	mg/l	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	8260
1,1-0.005Dichloroethane	< 0.003	0.003	mg/l	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	8260
trans-1,3-Dichlopropene	< 0.003	0.003	mg/l	8260

FULL VOLATILE Lab ID# 34225 (continued page 2 of 2)

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	Method
Diethyl ether	< 0.005	0.005	mg/l	8260
Ethylbenzene	< 0.005	0.005	mg/l	8260
Ethylmethacrylate	< 0.005	0.005	mg/l	8260
2-Hexanone	< 0.006	0.006	mg/l	8260
Iodomethane	< 0.005	0.005	mg/l	8260
Methacrylonitrile	< 0.005	0.005	mg/l	8260
Methylene chloride	< 0.004	0.004	mg/l	8260
Methylmethacrylate	< 0.004	0.004	mg/l	8260
4-Methyl-2-pentanone (MIBK)	< 0.010	0.010	mg/l	8260
Propionitrile	< 0.010	0.010	mg/l	8260
Styrene	< 0.004	0.004	mg/l	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	8260
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	8260
Tetrachloroethene	< 0.005	0.005	mg/l	8260
Toluene	< 0.003	0.003	mg/l	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	8260
Trichloroethene	< 0.002	0.002	mg/l	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	8260
m,p-Xylene	< 0.005	0.005	mg/l	8260
o-Xylene	< 0.004	0.004	mg/l	8260
Vinyl Chloride	< 0.002	0.002	mg/l	8260

Contract No.: DACA63-92-D-0047 Delivery Order: 0008 Zone: 4

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: <u>GAFB-10-350-09-TC</u> Sampler: <u>Walter Carlock</u>

Lab ID# 34226 Matrix: Water Date Sampled: 2/23/94

FULL VOLATILE Page 1 of 2

<u>Parameter</u>	<u>Results</u>	Quant. <u>Limit</u>	<u>Units</u>	Method
Acetone	< 0.050	0.050	mg/l	8260
Acrolein	< 0.025	0.025	mg/l	8260
Acrylonitrile	< 0.020	0.020	mg/l	8260
Allyl chloride	< 0.015	0.015	mg/l	8260
Benzene	2.8	0.015	mg/l	8260
Bromodichloromethane	< 0.015	0.015	mg/l	8260
Bromoform	< 0.010	0.010	mg/l	8260
Bromomethane	< 0.030	0.030	mg/l	8260
2-Butanone (MEK)	< 0.050	0.050	mg/l	8260
Carbon tetrachloride	< 0.015	0.015	mg/l	8260
Chlorobenzene	< 0.020	0.020	mg/l	8260
Chloroethane	< 0.010	0.010	mg/l	8260
2-Chloroethyl vinyl ether	< 0.050	0.050	mg/l	8260
Chloroform	< 0.015	0.015	mg/l	8260
Chloromethane	< 0.025	0.025	mg/l	8260
Dibromochloromethane	< 0.015	0.015	mg/l	8260
1,2-Dibromo-3-chloropropane	< 0.030	0.030	mg/l	8260
1,2-Dibromoethane	< 0.015	0.015	mg/l	8260
Dibromomethane	< 0.010	0.010	mg/l	8260
1,2-Dichlorobenzene	< 0.025	0.025	mg/l	8260
1,3-Dichlorobenzene	< 0.025	0.025	mg/l	8260
1,4-Dichlorobenzene	< 0.030	0.030	mg/l	8260
trans-1,4-Dichloro-2-butene	< 0.020	0.020	mg/l	8260
Dichlorodifluoromethane	< 0.015	0.015	mg/l	8260
1,1-Dichloroethane	< 0.015	0.015	mg/l	8260
1,2-Dichloroethane	0.91	0.015	mg/l	8260
1,1-Dichloroethene	< 0.025	0.025	mg/l	8260
cis-1,2-Dichloroethene	< 0.020	0.020	mg/l	8260
trans-1,2-Dichloroethene	< 0.020	0.020	mg/l	8260
1,2-Dichloropropane	< 0.010	0.010	mg/l	8260
cis-1,3-Dichloropropene	< 0.010	0.010	mg/l	8260
trans-1,3-Dichlopropene	< 0.015	0.015	mg/l	8260

FULL VOLATILE Lab ID# 34226 (continued page 2 of 2)

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	<u>Method</u>
Diethyl ether	< 0.025	0.025	mg/l	8260
Ethylbenzene	1.7	0.025	mg/l	8260
Ethylmethacrylate	< 0.025	0.025	mg/l	8260
2-Hexanone	< 0.030	0.030	mg/l	8260
Iodomethane	< 0.025	0.025	mg/l	8260
Methacrylonitrile	< 0.025	0.025	mg/l	8260
Methylene chloride	< 0.020	0.020	mg/l	8260
Methylmethacrylate	< 0.020	0.020	mg/I	8260
4-Methyl-2-pentanone (MIBK)	< 0.050	0.050	mg/l	8260
Propionitrile	< 0.050	0.050	mg/l	8260
Styrene	< 0.020	0.020	mg/l	8260
1,1,1,2-Tetrachloroethane	< 0.025	0.025	mg/l	8260
1,1,2,2-Tetrachloroethane	< 0.015	0.015	mg/l	8260
Tetrachloroethene	< 0.025	0.025	mg/l	8260
Toluene	9.9	0.015	mg/l	8260
1,1,1-Trichloroethane	< 0.025	0.025	mg/l	8260
1,1,2-Trichloroethane	< 0.015	0.015	mg/l	8260
Trichloroethene	< 0.010	0.010	mg/l	8260
Trichlorofluoromethane	< 0.025	0.025	mg/l	8260
1,2,3-Trichloropropane	< 0.015	0.015	mg/l	8260
m,p-Xylene	11	0.025	mg/l	8260
o-Xylene	6.3	0.020	mg/l	8260
Vinyl Chloride	< 0.010	0.010	mg/l	8260

SAMPLE TESTING RESULTS

Contract No.: <u>DACA63-92-D-0047</u>

Delivery Order: <u>0008</u>

Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: GAFB-10-350-08-TC Sampler: Walter Carlock

Lab ID# 34224 Matrix: Water Date Sampled: 2/23/94

SEMI-VOLATILE

Page 1 of 3

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
Acenaphthene	10	UG/L	ND	8270
Acenaphthylene	10	UG/L	ND	8270
Acetophenone	10	UG/L	ND	8270
Aniline	10	UG/L	ND	8270
Anthracene	10	UG/L	ND	8270
4-Aminobiphenyl	10	UG/L	ND	8270
Benzidine	50	UG/L	ND	8270
Benzo(a)anthracene	10	UG/L	ND	8270
Benzo(b)fluorathene	10	UG/L	ND	8270
Benzo(k)fluoranthene	· 10	UG/L	ND	8270
Benzo(g,h,i)perylane	10	UG/L	ND	8270
Benzo(a)pyrene	10	UG/L	ND	8270
Benzoic Acid	50	UG/L	ND	8270
Benzyl alcohol	20	UG/L	ND	8270
Bis(2-chloroethoxy)methane	10	UG/L	ND	8270
Bis(2-chloroethyl)ether	10	UG/L	ND	8270
Bis(2-chlorolsopropyl)ether	10	UG/L	ND	8270
Bis(2-ethylhexyl)phthalate	10	UG/L	ND	8270
4-Bromophenylphenyl ether	10	UG/L	ND	8270
Butylbenzyl phthalate	10	UG/L	ND	8270
4-Chloroaniline	20	UG/L	ND	8270
1-Chloronaphthalene	10	UG/L	ND	8270
2-Chloronaphthalene	10	UG/L	ND	8270
4-Chloro-3-methylphenol	20	UG/L	ND	8270
2-Chloropenol	10	UG/L	ND	8270
4-Chlorophenylphenyl ether	10	UG/L	ND	8270
Chrysene	10	UG/L	ND	8270
Dibenz(a,h)anthracene	10	UG/L	ND	8270
Dibenzofuran	10	UG/L	ND	8270
1,3-Dichlorobenzene	10	UG/L	ND	8270
1,4-Dichlorobenzene	10	UG/L	ND	8270

<u>SEMI-VOLATILE</u> Lab ID#_34224 (continued page 2 or 3)

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
1,2-Dichlorobenzene	10	UG/L	ND	8270
3,3-Dichlorobenzidine	20	UG/L	ND	8270
2,4-Dichlorophenol	10	UG/L	ND	8270
2-6-Dichlorophenol	10	UG/L	ND	8270
Diethylphthalate	10	UG/L	ND	8270
a,a-Dimethylphenethylamine	10	UG/L	ND	8270
2,4-Dimethylphenol	10	UG/L	ND	8270
Dimethylphthalate	10	UG/L	ND	8270
Di-n-butylphthalate	10	UG/L	ND	8270
4,6-Dinitro-2-methylphenol	50	UG/L	ND	8270
2,4-Dinitrophenol	50	UG/L	ND	8270
2,4-Dinitrotoluene	10	UG/L	ND	8270
2,6-Dinitrotoluene	10	UG/L	ND	8270
Di-n-octylphthalate	10	UG/L	ND	8270
1,2-Diphenylhydrazine	50	UG/L	ND	8270
Fluoranthene	10	UG/L	ND	8270
Fluorene	10	UG/L	ND	8270
Hexachlorobenzene	10	UG/L	ND	8270
Hexachlorobutadlene	10	UG/L	ND	8270
Hexachlorocyclopentadlene	10	UG/L	ND	8270
Hexachloroethane	10	UG/L	ND	8270
Indeno(1,2,3-cd)pyrene	10	UG/L	ND	8270
Isophorone	10	UG/L	ND	8270
3-Methylcholanthrene	10	UG/L	ND	8270
2-Methylnaphthalene	10	UG/L	32	8270
2-Methylphenol	10	UG/L	ND	8270
4-Methylphenol*	10	UG/L	ND	8270
Naphthalene	10	UG/L	ND	8270
1-Naphthylamine	10	UG/L	ND	8270
2-Naphthylamine	10	UG/L	ND	8270
2-Nitroaniline	10	UG/L	ND	8270
3-Nitroaniline	10	UG/L	ND	8270
4-Nitroaniline	10	UG/L	ND	8270
Nitrobenzene	10	UG/L	ND	8270
2-Nitrophenol	10	UG/L	ND	8270
4-Nitrophenol	50	UG/L	ND	8270
N-Nitroso-di-n-butylamine	10	UG/L	ND	8270
N-Nitrosodimethylamine	10	UG/L	ND	8270
N-Nitrosodi-n-phenylamine**	10	UG/L	ND	8270
N-Nitroso-di-n-propylamine	10	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34224 (Continued page 3 of 3)

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
Pentachlorobenzene	10	UG/L	ND	8270
Pentachloronitrobenzene	10	UG/L	ND	8270
Pentachlorophenol	50	UG/L	ND	8270
Phenacetin	10	UG/L	ND	8270
Phenanthrene	10	UG/L	ND	8270
Phenol	10	UG/L	ND	8270
Pyrene	10	UG/L	ND	8270
Pyridine	10	UG/L	ND	8270
1,2,4,5-Tetrachlorobenzene	10	UG/L	ND	8270
2,3,4,6-Tetrachlorophenol	10	UG/L	ND	8270
1,2,4-Trichlorobenzene	10	UG/L	ND	8270
2,4,5-Trichlorophenol	10	UG/L	ND	8270
2,4,6-Trichlorophenol	10	UG/L	ND	8270

ND - not detected

^{* -} Co-elutes with 3-Methylphenol ** - Inseparable from Diphenylamine

SAMPLE TESTING RESULTS

Contract No.: <u>DACA63-92-D-0047</u> Delivery Order: <u>0008</u> Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: <u>GAFB-10-350-11-TC</u> Sampler: <u>Walter Carlock</u>

Lab ID# 34225 Matrix: Water Date Sampled: 2/23/94

SEMI-VOLATILE

Page 1 of 3

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
Acenaphthene	10	UG/L	ND	8270
Acenaphthylene	10	UG/L	ND	8270
Acetophenone	10	UG/L	ND	8270
Aniline	10	UG/L	ND	8270
Anthracene	10	UG/L	ND	8270
4-Aminobiphenyl	10	UG/L	ND	8270
Benzidine	50	UG/L	ND	8270
Benzo(a)anthracene	10	UG/L	ND	8270
Benzo(b)fluorathene	10	UG/L	ND	8270
Benzo(k)fluoranthene	10	UG/L	ND	8270
Benzo(g,h,i)perylane	10	UG/L	ND	8270
Benzo(a)pyrene	10	UG/L	ND	8270
Benzoic Acid	50	UG/L	ND	8270
Benzyl alcohol	20	UG/L	ND	8270
Bis(2-chloroethoxy)methane	10	UG/L	ND	8270
Bis(2-chloroethyl)ether	10	UG/L	ND	8270
Bis(2-chlorolsopropyl)ether	10	UG/L	ND	8270
Bis(2-ethylhexyl)phthalate	10	UG/L	ND	8270
4-Bromophenylphenyl ether	10	UG/L	ND	8270
Butylbenzyl phthalate	10	UG/L	ND	8270
4-Chloroaniline	20	UG/L	ND	8270
1-Chloronaphthalene	10	UG/L	ND	8270
2-Chloronaphthalene	10	UG/L	ND	8270
4-Chloro-3-methylphenol	20	UG/L	ND	8270
2-Chloropenol	10	UG/L	ND	8270
4-Chlorophenylphenyl ether	10	UG/L	ND	8270
Chrysene	10	UG/L	ND	8270
Dibenz(a,h)anthracene	10	UG/L	ND	8270
Dibenzofuran	10	UG/L	ND	8270
1,3-Dichlorobenzene	10	UG/L	ND	8270
1,4-Dichlorobenzene	10	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34225 (continued page 2 or 3)

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
1,2-Dichlorobenzene	10	UG/L	ND	8270
3,3-Dichlorobenzidine	20	UG/L	ND	8270
2,4-Dichlorophenol	10	UG/L	ND	8270
2-6-Dichlorophenol	10	UG/L	ND	8270
Diethylphthalate	10	UG/L	ND	8270
a,a-Dimethylphenethylamine	10	UG/L	ND	8270
2,4-Dimethylphenol	10	UG/L	ND	8270
Dimethylphthalate	10	UG/L	ND	8270
Di-n-butylphthalate	10	UG/L	ND	8270
4,6-Dinitro-2-methylphenol	50	UG/L	ND	8270
2,4-Dinitrophenol	50	UG/L	ND	8270
2,4-Dinitrotoluene	10	UG/L	ND	8270
2,6-Dinitrotoluene	10	UG/L	ND	8270
Di-n-octylphthalate	10	UG/L	ND	8270
1,2-Diphenylhydrazine	50	UG/L	ND	8270
Fluoranthene	10	UG/L	ND	8270
Fluorene	10	UG/L	ND	8270
Hexachlorobenzene	10	UG/L	ND	8270
Hexachlorobutadlene	10	UG/L	ND	8270
Hexachlorocyclopentadlene	10	UG/L	ND	8270
Hexachloroethane	10	UG/L	ND	8270
Indeno(1,2,3-cd)pyrene	10	UG/L	ND	8270
Isophorone	10	UG/L	ND	8270
3-Methylcholanthrene	10	UG/L	ND	8270
2-Methylnaphthalene	10	UG/L	ND	8270
2-Methylphenol	10	UG/L	ND	8270
4-Methylphenol*	10	UG/L	ND	8270
Naphthalene	10	UG/L	ND	8270
1-Naphthylamine	10	UG/L	ND	8270
2-Naphthylamine	10	UG/L	ND	8270
2-Nitroaniline	10	UG/L	ND	8270
3-Nitroaniline	10	UG/L	ND	8270
4-Nitroaniline	10	UG/L	ND	8270
Nitrobenzene	10	UG/L	ND	8270
2-Nitrophenol	10	UG/L	ND	8270
4-Nitrophenol	50	UG/L	ND	8270
N-Nitroso-di-n-butylamine	10	UG/L	ND	8270
N-Nitrosodimethylamine	10	UG/L	ND	8270
N-Nitrosodi-n-phenylamine**	10	UG/L	ND	8270
N-Nitroso-di-n-propylamine	. 10	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34225 (Continued page 3 of 3)

<u>Parameter</u>	<u>MDL</u>	<u>Units</u>	Results	Method
Pentachlorobenzene	10	UG/L	ND	8270
Pentachloronitrobenzene	10	UG/L	ND	8270
Pentachlorophenol	50	UG/L	ND	8270
Phenacetin	10	UG/L	ND	8270
Phenanthrene	10	UG/L	ND	8270
Phenol	10	UG/L	ND	8270
Pyrene	10	UG/L	ND	8270
Pyridine	10	UG/L	ND	8270
1,2,4,5-Tetrachlorobenzene	10	UG/L	ND	8270
2,3,4,6-Tetrachlorophenol	10	UG/L	ND	8270
1,2,4-Trichlorobenzene	10	UG/L	ND	8270
2,4,5-Trichlorophenol	10	UG/L	ND	8270
2,4,6-Trichlorophenol	10	UG/L	ND	8270

ND - not detected

^{* -} Co-elutes with 3-Methylphenol ** - Inseparable from Diphenylamine

SAMPLE TESTING RESULTS

Contract No.: DACA63-92-D-0047

Delivery Order: <u>0008</u>

Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: <u>GAFB-10-350-09-TC</u> Sampler: <u>Walter Carlock</u>

Lab ID# 34226 Matrix: Water Date Sampled: 2/23/94

SEMI-VOLATILE

Page 1 of 3

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
Acenaphthene	100	UG/L	ND	8270
Acenaphthylene	100	UG/L	ND	8270
Acetophenone	100	UG/L	ND	8270
Aniline	100	UG/L	ND	8270
Anthracene	100	UG/L	ND	8270
4-Aminobiphenyl	100	UG/L	ND	8270
Benzidine	500	UG/L	ND	8270
Benzo(a)anthracene	100	UG/L	ND	8270
Benzo(b)fluorathene	100	UG/L	ND	8270
Benzo(k)fluoranthene	100	UG/L	ND	8270
Benzo(g,h,i)perylane	100	UG/L	ND	8270
Benzo(a)pyrene	100	UG/L	ND	8270
Benzoic Acid	500	UG/L	ND	8270
Benzyl alcohol	200	UG/L	ND	8270
Bis(2-chloroethoxy)methane	100	UG/L	ND	8270
Bis(2-chloroethyl)ether	100	UG/L	ND	8270
Bis(2-chlorolsopropyl)ether	100	UG/L	ND	8270
Bis(2-ethylhexyl)phthalate	100	UG/L	770	8270
4-Bromophenylphenyl ether	100	UG/L	ND	8270
Butylbenzyl phthalate	100	UG/L	ND	8270
4-Chloroaniline	200	UG/L	ND	8270
1-Chloronaphthalene	100	UG/L	ND	8270
2-Chloronaphthalene	100	UG/L	ND	8270
4-Chloro-3-methylphenol	200	UG/L	ND	8270
2-Chloropenol	100	UG/L	ND	8270
4-Chlorophenylphenyl ether	100	UG/L	ND	8270
Chrysene	100	UG/L	ND	8270
Dibenz(a,h)anthracene	100	UG/L	ND	8270
Dibenzofuran	100	UG/L	ND	8270
1,3-Dichlorobenzene	100	UG/L	ND	8270
1,4-Dichlorobenzene	100	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34226 (continued page 2 or 3)

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
1,2-Dichlorobenzene	100	UG/L	ND	8270
3,3-Dichlorobenzidine	200	UG/L	ND	8270
2,4-Dichlorophenol	100	UG/L	ND	8270
2-6-Dichlorophenol	100	UG/L	ND	8270
Diethylphthalate	100	UG/L	ND	8270
a,a-Dimethylphenethylamine	100	UG/L	ND	8270
2,4-Dimethylphenol	100	UG/L	470	8270
Dimethylphthalate	100	UG/L	ND	8270
Di-n-butylphthalate	100	UG/L	ND	8270
4,6-Dinitro-2-methylphenol	500	UG/L	ND	8270
2,4-Dinitrophenol	500	UG/L	ND	8270
2,4-Dinitrotoluene	100	UG/L	ND	8270
2,6-Dinitrotoluene	100	UG/L	ND	8270
Di-n-octylphthalate	100	UG/L	ND	8270
1,2-Diphenylhydrazine	500	UG/L	ND	8270
Fluoranthene	100	UG/L	ND	8270
Fluorene	100	UG/L	ND	8270
Hexachlorobenzene	100	UG/L	ND	8270
Hexachlorobutadlene	100	UG/L	ND	8270
Hexachlorocyclopentadlene	100	UG/L	ND	8270
Hexachloroethane	100	UG/L	ND	8270
Indeno(1,2,3-cd)pyrene	100	UG/L	ND	8270
Isophorone	100	UG/L	ND	8270
3-Methylcholanthrene	100	UG/L	ND	8270
2-Methylnaphthalene	100	UG/L	1700	8270
2-Methylphenol	100	UG/L	150	8270
4-Methylphenol*	100	UG/L	110	8270
Naphthalene	100	UG/L	1400	8270
1-Naphthylamine	100	UG/L	ND	8270
2-Naphthylamine	100	UG/L	ND	8270
2-Nitroaniline	100	UG/L	ND	8270
3-Nitroaniline	100	UG/L	ND	8270
4-Nitroaniline	100	UG/L	ND	8270
Nitrobenzene	100	UG/L	ND	8270
2-Nitrophenol	100	UG/L	ND	8270
4-Nitrophenol	500	UG/L	ND	8270
N-Nitroso-di-n-butylamine	100	UG/L	ND	8270
N-Nitrosodimethylamine	. 100	UG/L	ND	8270
N-Nitrosodi-n-phenylamine**	100	UG/L	ND	8270
N-Nitroso-di-n-propylamine	100	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34226 (Continued page 3 of 3)

<u>Parameter</u>	<u>MDL</u>	<u>Units</u>	<u>Results</u>	Method
Pentachlorobenzene	100	UG/L	ND	8270
Pentachloronitrobenzene	100	UG/L	ND	8270
Pentachlorophenol	500	UG/L	ND	8270
Phenacetin	100	UG/L	ND	8270
Phenanthrene	100	UG/L	ND	8270
Phenol	100	UG/L	ND	8270
Pyrene	100	UG/L	ND	8270
Pyridine	100	UG/L	ND	8270
1,2,4,5-Tetrachlorobenzene	100	UG/L	ND	8270
2,3,4,6-Tetrachlorophenol	100	UG/L	ND	8270
1,2,4-Trichlorobenzene	100	UG/L	ND	8270
2,4,5-Trichlorophenol	100	UG/L	ND	8270
2,4,6-Trichlorophenol	100	UG/L	ND	8270 -

ND - not detected

^{* -} Co-elutes with 3-Methylphenol** - Inseparable from Diphenylamine

SAMPLE TESTING RESULTS

Contract No.: <u>DACA63-92-D-0047</u> Deliver

Delivery Order: <u>0008</u> Zone: <u>4</u>

Site: Gary AFB #10350 Tanks 8-11 San Marcos, TX

Field Description: GAFB-10-350-10-TC Sampler: Walter Carlock

Lab ID# 34227 Matrix: Water Date Sampled: 2/23/94

SEMI-VOLATILE

Page 1 of 3

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
Acenaphthene	100	UG/L	ND	8270
Acenaphthylene	100	UG/L	ND	8270
Acetophenone	100	UG/L	ND	8270
Aniline	100	UG/L	ND	8270
Anthracene	100	UG/L	ND	8270
4-Aminobiphenyl	100	UG/L	ND	8270
Benzidine	500	UG/L	ND	8270
Benzo(a)anthracene	100	UG/L	ND	8270
Benzo(b)fluorathene	100	UG/L	ND	8270
Benzo(k)fluoranthene	100	UG/L	ND	8270
Benzo(g,h,i)perylane	100	UG/L	ND	8270
Benzo(a)pyrene	100	UG/L	ND	8270
Benzoic Acid	500	UG/L	ND	8270
Benzyl alcohol	200	UG/L	ND	8270
Bis(2-chloroethoxy)methane	100	UG/L	ND	8270
Bis(2-chloroethyl)ether	100	UG/L	ND	8270
Bis(2-chlorolsopropyl)ether	100	UG/L	ND	8270
Bis(2-ethylhexyl)phthalate	100	UG/L	1000	8270
4-Bromophenylphenyl ether	100	UG/L	ND	8270
Butylbenzyl phthalate	100	UG/L	ND	8270
4-Chloroaniline	200	UG/L	ND	8270
1-Chloronaphthalene	100	UG/L	ND	8270
2-Chloronaphthalene	100	UG/L	ND	8270
4-Chloro-3-methylphenol	200	UG/L	ND	8270
2-Chloropenol	100	UG/L	ND	8270
4-Chlorophenylphenyl ether	100	UG/L	ND	8270
Chrysene	100	UG/L	ND	8270
Dibenz(a,h)anthracene	100	UG/L	ND	8270
Dibenzofuran	100	UG/L	ND	8270
1,3-Dichlorobenzene	100	UG/L	ND	8270
1,4-Dichlorobenzene	100	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34227 (continued page 2 or 3)

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
1,2-Dichlorobenzene	100	UG/L	ND	8270
3,3-Dichlorobenzidine	200	UG/L	ND	8270
2,4-Dichlorophenol	100	UG/L	ND	8270
2-6-Dichlorophenol	100	UG/L	ND	8270
Diethylphthalate	100	UG/L	ND	8270
a,a-Dimethylphenethylamine	100	UG/L	ND	8270
2,4-Dimethylphenol	100	UG/L	ND	8270
Dimethylphthalate	100	UG/L	ND	8270
Di-n-butylphthalate	100	UG/L	ND	8270
4,6-Dinitro-2-methylphenol	500	UG/L	ND	8270
2,4-Dinitrophenol	500	UG/L	ND	8270
2,4-Dinitrotoluene	100	UG/L	ND	8270
2,6-Dinitrotoluene	100	UG/L	ND	8270
Di-n-octylphthalate	100	UG/L	ND	8270
1,2-Diphenylhydrazine	500	UG/L	ND	8270
Fluoranthene	100	UG/L	ND	8270
Fluorene	100	UG/L	ND	8270
Hexachlorobenzene	100	UG/L	ND	8270
Hexachlorobutadlene	100	UG/L	ND	8270
Hexachlorocyclopentadlene	100	UG/L	ND	8270
Hexachloroethane	100	UG/L	ND	8270
Indeno(1,2,3-cd)pyrene	100	UG/L	ND	8270
Isophorone	100	UG/L	ND	8270
3-Methylcholanthrene	100	UG/L	ND	8270
2-Methylnaphthalene	100	UG/L	ND	8270
2-Methylphenol	100	UG/L	ND	8270
4-Methylphenol*	100	UG/L	ND	8270
Naphthalene	100	UG/L	ND	8270
1-Naphthylamine	100	UG/L	ND	8270
2-Naphthylamine	100	UG/L	ND	8270
2-Nitroaniline	100	UG/L	ND	8270
3-Nitroaniline	100	UG/L	ND	8270
4-Nitroaniline	100	UG/L	ND	8270
Nitrobenzene	100	UG/L	ND	8270
2-Nitrophenol	100	UG/L	ND	8270
4-Nitrophenol	500	UG/L	ND	8270
N-Nitroso-di-n-butylamine	100	UG/L	ND	8270
N-Nitrosodimethylamine	100	UG/L	ND	8270
N-Nitrosodi-n-phenylamine**	100	UG/L	ND	8270
N-Nitroso-di-n-propylamine	100	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 34227 (Continued page 3 of 3)

<u>Parameter</u>	<u>MDL</u>	<u>Units</u>	<u>Results</u>	Method
Pentachlorobenzene	100	UG/L	ND	8270
Pentachloronitrobenzene	100	UG/L	ND	8270
Pentachlorophenol	500	UG/L	ND	8270
Phenacetin	100	UG/L	ND	8270
Phenanthrene	100	UG/L .	ND	8270
Phenol	100	UG/L	ND	8270
Pyrene	100	UG/L	ND	8270
Pyridine	100	UG/L	ND	8270
1,2,4,5-Tetrachlorobenzene	100	UG/L	ND	8270
2,3,4,6-Tetrachlorophenol	100	UG/L	ND	8270
1,2,4-Trichlorobenzene	100	UG/L	ND	8270
2,4,5-Trichlorophenol	100	UG/L	ND	8270
2,4,6-Trichlorophenol	100	UG/L	ND	8270

ND - not detected

^{* -} Co-elutes with 3-Methylphenol ** - Inseparable from Diphenylamine

Ballaniningerinings.



Photo 1: Tank repository prior to removal of tank 09.

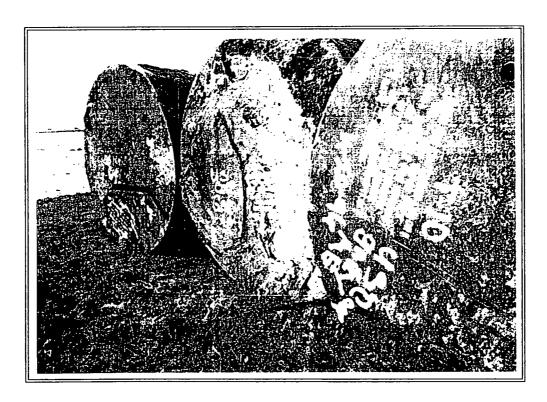


Photo 2: Tanks 08, 09 and 10 after removal.

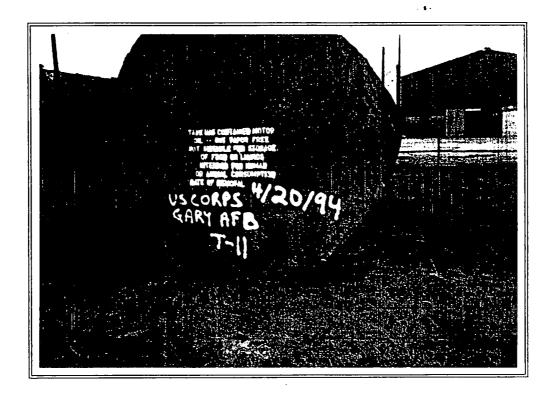


Photo 3: Tank 11 after removal.

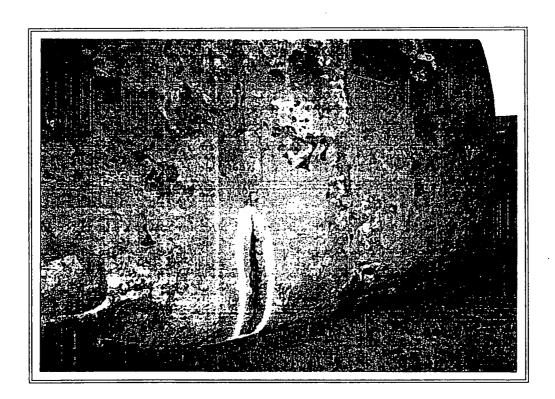


Photo 4: Split in welded seam of tank 08.

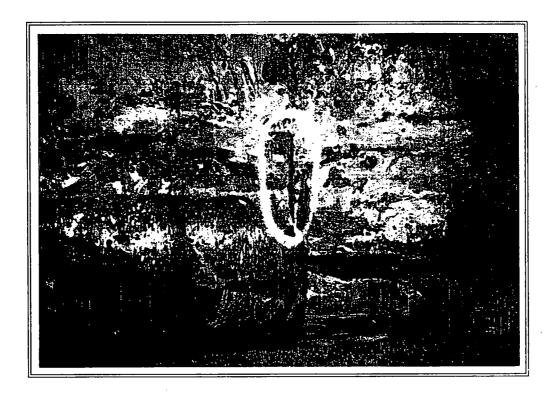


Photo 5: Split along welded seam of tank 11.

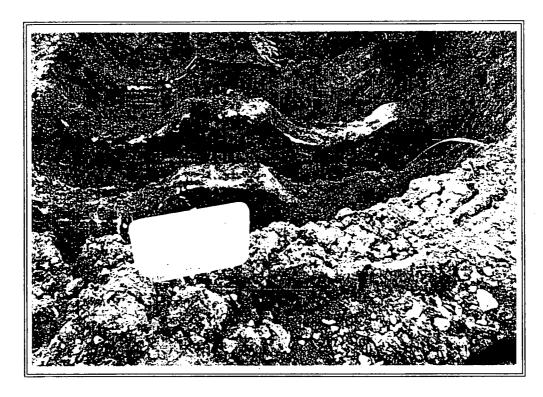


Photo 6: Overexcavation of tank repository.



Photo 7: Excavation of pump house pit location.



Photo 8: Backfilling tank repository. Facing north.



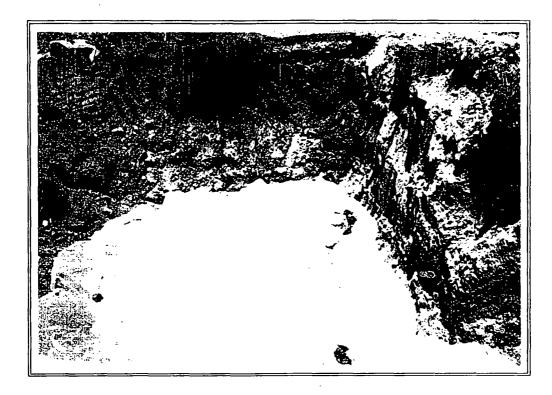


Photo 9: Preparing pump house pit for backfilling.



Photo 10: Restoring excavations to original grade. Facing north.

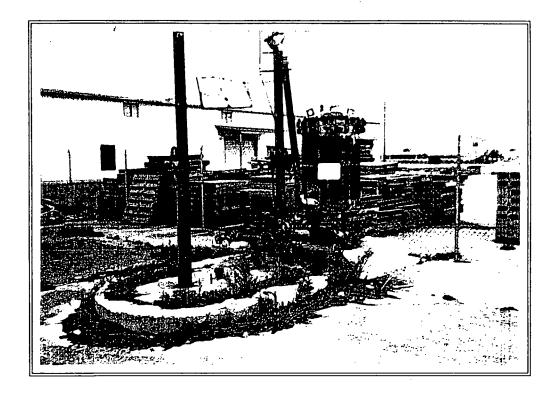


Photo 11: One (1) of three (3) pump islands removed under D.O. #0008.

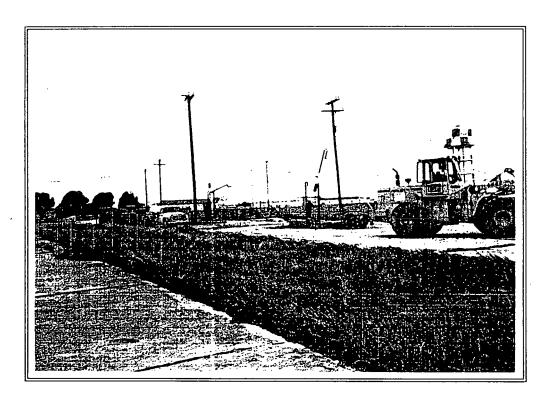


Photo 12: Preparing pump islands for removal.



Photo 13: Placement of concrete in former pump island locations.

Education

WASTE MANAGEMENT AND DISPOSITION

Tanks and Piping

Two (2) 9,000 and two (2) 12,000 gallon capacity steel tanks were transported along with removed piping to Commercial Metals Co., Austin, Texas for scrap iron.

Soils

Approximately 600 cubic yards of soil material were generated during initial tank removal operations. This soil, in addition to imported fill, was utilized to backfill the tank repository.

Approximately 300 cubic yards of soil were generated during over-excavation of the tank repository. A portion of this material required on-site bio-remediation until contaminant concentrations were within the disposal guidelines. Upon attainment of acceptable contaminant levels the material was transported to the Comal County landfill for final disposition.

Approximately 100 cubic yards of soil were generated during the removal of the pump house pit. Analytical results indicated contaminant concentrations were within the disposal guidelines and the material was transported to the Comal County landfill for final disposition.

Waters

Not applicable

Phase Separated Product Sludge and Tank Contents

Water removed from the UST's was transported off-site for recycling/treatment by Mobley Company, Corsicana Fuel Facility, Corsicana, Texas.

Treatment Waters

Not Applicable.

APPENDICES/SUPPORTING DATA

APPENDIX A:

UST/AST CERTIFICATES OF DESTRUCTION

Date: 4-20-94 SCRAPPING/DISPOSAL COMPANY: SITE OF DESTRUCTION: Building: TANK REMOVAL CONTRACTOR: Perry Williams, Inc. P.O. Box 30206 Amarillo, Texas 70120 TANK IDENTIFICATION: Tank No: Size: LOCATION: JARY JOB (CRPS, Center DATE OF DESTRUCTION: 4-29-94 I certify that the above described tank has been rendered unsusable for the storage of fluids, and that all removed fluids, sludges, and the tanks, were disposed of in accordance with all applicable local, state, and federal regulations. TITLE: Field Superintendent

The state of the s		•	
Date: 4-20-94			
SCRAPPING/DISPOSAL COMPANY:		SITE OF DESTRUC	TION:
C.M.C Austin	Building:	10-350	,
710 Industrial Blud.	Gary 50	b Corps. Center	
Austin Tx. 78760	San Ma	ACOS Tx.	
TANK REMOVAL CONTRACTOR:			
Perry Williams, Inc.			
P.O. Box 30206			
Amarillo, Texas 70120	land the		
TANK IDEN	rification:		.*
Tank No: \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		
Size: 12,000 gal			
LOCATION:	••		
GARY Job CORPS. CENTER			
SAN Marcos TX			
		•	
DATE OF DESTRUCTION:	•		
I certify that the above describe for the storage of fluids, and and the tanks, were disposed of local state, and federal regula	that all rem	moved fluids, sl	udges,

BY: ////////
TITLE: Field Superintendent

Date: 4-20-94

SCRAPPING/DISPOSAL COMPANY:

SITE OF DESTRUCTION:

C.M.C Austin	Building: 10-350
710 Industrial Blud.	Gary Job Coaps. Center
Austin Tx. 78760	San Mancos Tx.

TANK REMOVAL CONTRACTOR:

Perry Williams, Inc.

P.O. Box 30206

Amarillo, Texas 70120

TANK IDENTIFICATION:

Tank No:

Size:

9000 gal

LOCATION:

GARY Job CORPS. CENTER SAN Marcos TX

DATE OF DESTRUCTION:

4-29-94

I certify that the above described tank has been rendered unsusable for the storage of fluids, and that all removed fluids, sludges, and the tanks, were disposed of in accordance with all applicable local, state, and federal regulations.

BY:

TITLE: Field Superintendent

Date: 4-20-94

SCRAPPING/DISPOSAL COMPANY:

SITE OF DESTRUCTION:

CM.C Austin	Building: 10-350
710 Industrial Blud	Gary Job Corps. Center
Austin Tx. 78760	

TANK REMOVAL CONTRACTOR:

Perry Williams,	Inc.
P.O. Box 30206	The second
Amarillo, Texas	70120

TANK IDENTIFICATION:

Tank No:	3 11	
Size:	9000 gal	

LOCATION:

GARY Job (ORPS. Center
SAN Marcos	

DATE OF DESTRUCTION:

4-29-94

I certify that the above described tank has been rendered unsusable for the storage of fluids, and that all removed fluids, sludges, and the tanks, were disposed of in accordance with all applicable local, state, and federal regulations.

TITLE: Field Superintendent

APPENDIX B:

TANK CONTENTS MANIFEST

MOBLEY COMPANY UST REMEDIATION FLUID / OFF-SPECIFICATION PRODUCT No. 064821

8-11

_		_
	CHARACTERIZATION INFORMATION	
	Generating Facility Name: 12.5. Depart west of hapox	
	Generating Facility Address: GARY Job CORPS Center SAN Marcos Tx.	
	Business Name: GALY Joh CORPS CENTER Site 11-350	
	Mailing Address: Po. Box. 967 San Marcos, Tx 78667-0967	
	Telephone (5/2) 396-6543	
	Contractor Name/Contact: Perry Williams INC.	
	Process Generating the Fluid (Check the Appropriate Process/Fluid Type):	
	Underground Storage Tank Remediation/Corrective Action ☐ Unleaded Gasoline ☐ Diesel ☐ Diesel ☐ Aviation Fuel / WATC ☐ Tank Hold Evacuation ☐ UST Monitoring Well Fluid ☐ UST Monitoring Well Fluid ☐ Use Action Maintenance of PST ☐ Unleaded Gasoline ☐ Diesel ☐ Diesel ☐ Aviation Fuel ☐ Fuel Oil	
	Total Quantity (Gallons): Bulk (>) 5460 gal Drum Evacuation ()	
	Representative (Print): WAHER 1. CAR/OCK FOX DOL. Title: Field Super. Signature: Watth. Carlock Fox Dol. Date of Service: 4-18-89	
	11416.11	
	Signature: Wav h. University Date of Service: 4-18-89	
	TRANSPORTER INFORMATION	
	Name Mobley Co., Inc. Telephone 800-999-8628	
	Name Telephone	
	EPA Transporter ID TXD000807925 State ID 40303 Truck No. 7 Driver's Name (Print) Mike THOMAS Trucked Direct to Plant? Y / N	
	4-18-54 Man Isom	
	Date Driver's Signature	
	MOBLEY COMPANY CORSICANA FUEL FACILITY	_
	Address: 2124 Highway 31 East	
	City/State: Corsicana, TX 75110	
	Telephone: 903-874-1188	
	EPA IDTXD988059291 TWC Reg. No20095	
	I certify that I have received into this facility the above listed product.	
	Facility Operator's Name (Print)	
	4-21-94 B. Je Pas	
	Date Received Facility Operator's Signature	Ĵ
	White - Generator - Original Canary - TSD Pink - Transporter Gold - Generator's 1st Copy	

THE PRINT SHOP-MARSHALL REV. 9-92

MOBLEY COMPANY

UST REMEDIATION FLUID / OFF-SPECIFICATION PRODUCT Nº 064822 **MANIFEST** 8-11

CHARACTERIZATION INFORM	MATION
Generating Facility Name: U.S. Department o	Labor
Generating Facility Address: GARY 30b CORPS CONF	er San Marcos TX.
Business Name: GARY Job CORDS CENTER	site 11-350
Mailing Address: P.O. Box 967 San Marco	S Tx. 78667-0967
Telephone (<u>512</u>) <u>396-6543</u>	
Contractor Name/Contact: Perry Williams In	<i>C</i> ,
Process Generating the Fluid (Check the Appropriate Process/Fluid T	уре):
Underground Storage Tank Remediation/Corrective Action ☐ Unleaded Gasoline ☐ Diesel ☐ Aviation Fuel/ ☐ Tank Hold Evacuation ☐ UST Monitoring Well Fluid	Maintenance of PST ☐ Unleaded Gasoline ☐ Diesel ☐ Aviation Fuel ☐ Fuel Oil
Total Quantity (Gallons): Bulk (5460 ga) I certify that the material removed from the above premises is not hazardous not contain spent solvents or PCBs as identified in 40 CFR Part 761.	Drum Evacuation () waste as identified in 40 CFR Part 261, and does
Generator Representative (Print): WAHCK L. CARLOCK FOR DOL.	Title: Field Super.
114///	,
Signature: Wall h. Law	Date of Service:
TRANSPORTER INFORMAT	TION
	lephone800-999-8628
EPA Transporter ID TXD000807925 State ID	40303 Truck No. 22
11 10 6	Trucked Direct to Plant? (Y) / N
	Driver's Signature
MOBLEY COMPANY CORSICANA FU	EL FACILITY
	
City/State: Corsicana, TX 75110	
Telephone: 903-874-1188	
EPA ID TXD988059291 TWC Reg. No	20095
I certify that I have received into this facility the above listed product.	
Facility Operator's Name (Print) LIANNY (1500)	044
4-21-94 Dans	
Date Received F	agility Operator's Signature
White - Generator - Original Canary - TSD Pink - Transpor	rter Gold - Generator's 1st Copy

THE PRINT SHOP-MARSHALL REV. 9-92

APPENDIX C

CONTAMINATED SOIL MANUFEST



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST		2. 1	Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	393 Eglin Kelly A.F. S SAN ANTONIO BOD MUTT	3 77 78241 B.	State Affidavit	4577
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666	en e	on chartett et t	Generator's Ta	
6. Generator's Facility Phone (210) 921-0962	Bob Murr	ay	a est que produce	
	i i i i i i i i i i i i i i i i i i i	Tall the second of the second	Transporter's F 506-373 Contact Perso	n: : : : : : : : : : : : : : : : : : :
8. Transporter 2 Company Name and Address		I F	Transporters	
		ing year to the state	Contact Perso	
Designated Facility Name and Site Address Coma 1	County Landfil		Facility's Phon	· · · · · · · · · · · · · · · · · · ·
Kohlen	berg Lane #2 aunfels, Texas	78130	(210) 625 Contact Perso	−7894
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity	14. Unit	15. Waste Code
a. UST 50il				15. Waste Code
	12. Containers truck UST's GAFB	13. Total Quantity 13 In correct	14. Unit cu/yd Labeling	N/A 5 3/6/95 RB RM
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (Corrections)	12. Containers truck UST's GAFB	13. Total Quantity 13 In correct 10-350-51 1-10-350-51	14. Unit cu/yd Labeling D-OX-R	NA S 3/6/95 RB RM M3
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (form) GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in principal to the contents of the contents of the contents of the classified of the contents of the con	12. Containers truck UST's GAFB Coded GAFB	13. Total Quantity 13 13 13 15 16 16 17 17 17 17 17 18 18 19 19 19 19 19 19 19 19	Labeling Labeling D-OX-R bedabove by s	N/A 3/6/95 RB RM M 3
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (Corrections and Additional Information (Corrections and Additional Information (Corrections and Additional Information (Corrections and Contamination (Correction (Correctio	12. Containers truck UST's GAFG AFG his consignment are fully oper condition for transp	13. Total Quantity 13 13 13 15 16 16 17 17 17 17 17 18 18 19 19 19 19 19 19 19 19	14. Unit cu/yd Labeling D - OX - R. Died above by sling to applicable	Alefas Ab Am Maria hipping name and of federal and state
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (Corrections and Additional Information (Corrections and Additional Information (Corrections and Additional Information (Corrections and Corrections a	12. Containers truck UST's GAFB edea GAFB his consignment are fully oper condition for transp DDL Signal	In correct	14. Unit cu/yd Labeling D - OX - R. Died above by sling to applicable	N/A 5 3/6/95 RB RM M 3 hipping name and of federal and state
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (arm GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in progulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials	12. Containers truck UST's GAFB eded GAFG his consignment are fully oper condition for transp DOL Signal Signal	13. Total Quantity 13. In correct 10-350-50 y and accurately descript by highway accord ature Description	Labeling Labeling D-OX-R Bed above by sling to applicable	Aleles AB RM Analysis AB RM Analysis AB
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (form) GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in proregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	12. Containers truck UST's GAFB eded GAFG his consignment are fully oper condition for transp DDL Signal Signal	13. Total Quantity 13. Total Quantity 13. Total Quantity 14. Correct 16. 350 - 50 2 - 10-350 - 50 2 and accurately described highway accord ature 15. Durantity 15. Durantity 16. Durantity 16	14. Unit cu/yd Labeling D-OX-R bed above by sling to applicable 2	Aleles Ab RM Ma hipping name and bederal and state Date C SUP GU Date Date
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (form) GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in progulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PW T 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-surprinted/Typed Name Section 1. Section	12. Containers truck UST's GAFB eded GAFG his consignment are fully oper condition for transp DDL Signal Sign	13. Total Quantity 13. Total Quantity 13. Total Quantity 14. Correct 16. 350 - 50 2 - 10 - 350 - 50 2 and accurately described highway accord ature 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	14. Unit cu/yd Labelina y-6 ox b-0x-R bed above by sling to applicable graph as noted in It	Aleges AB RM Aleges AB Aleges
a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information (form) GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in proregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PW T 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space	12. Containers truck UST's GAFB eded GAFG his consignment are fully oper condition for transp DDL Signal Sign	13. Total Quantity 13. Total Quantity 13. Total Quantity 14. Correct 16. 350 - 50 2 - 10 - 350 - 50 2 and accurately described highway accord ature 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	14. Unit cu/yd Labelina y-6 ox b-0x-R bed above by sling to applicable graph as noted in It	Aleles AB RM Aleles AB Aleles

INSTRUCTIONS TO GENERATOR (Please type or print clearly)

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

word lateline Half to INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

Beren en en en en en en

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14, were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4, to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

Demonstration as a sove a constraint of the Cycline of regarder economic destruction of the constraint Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3. 1111



Please type or print. (Form designed for use on elite/12 -pitch typewriter.	IN	STRUCTIONS	ON REVERSE SIDE.	
PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	TID No. or ST ID No.	2.	Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	393 Eglin Kelly A.F.B SAN ANTONIO T BOD Muri	- _Х , 18241 В.	State Affidavi	74578
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666 6. Generator's Facility Phone (210) 921-0962		C	. Generator's T	ank Owner ID No.
7. Transporter 1 Company Name and Address PWT 2700 Wilson AMARILIO TX, 79103	BOD HALL	D	Transporter's 866-373 Contact Perso	9- <i>58</i> 2 <i>0</i> on:
8. Transporter 2 Company Name and Address	-3 v :		Transporter's Contact Perso	Phone
Kohler	County Landfilnberg Lane #2 raunfels, Texas		(210) 625 Contact Person	5-7894 on:
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity	14. Unit	15. Waste Code
a. UST Soil	truck	13	cu/yd	NA
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	E UST's GAFB Corrected - 1/6/95 NB	Incorrect 1 10-356-51 6AFB-10-35	OF OX AM	fac ox-RM2
GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in p regulations.	roper condition for transp	port by highway accord		e federal and state
17. Printed/TypedName U.S. Army Corps of Engineers for DOD	Dor Sign	Dos Muri	ray 6	Date SEP 94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Pw-F	Sign	1 xx	rriertzi az Mille isk Olikki tent kis ir	Date 7 557 94
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	8ign	enute		Date
20. Discrepancy Indication Space		y Tanàn 3, making 475. Jeografiana ao makina makina	•	o ded ino lese. Sensi besser to <u>No</u> lese.
21. Facility Owner/Operator: Certification of receipt of petroleum-s Printed/Typed Name Comal County Landfill	ubstance wastes covere signature on a consideration of the consideration	d-by this affidavit exce	ept as noted in I	/7/94

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in $G_{\lambda_1,\dots,\lambda_n}^{\lambda_n}$
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

Marie Villa

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

SART SERT IN BARRY

The transfer of the state of th

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20, any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.



	•	1 Generator's I PS	TID No. or STID No.	1	2. Page 1 of
	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	7. Contrator 5 Er G	71 15 110. 01 01 15 110.		
3.	Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers	393 Eglin Kelly A,F.B. SAN ANTONIO,	A	State Affi	7 4 5 7 9
4.	701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 - GeneratorsPhone (210) 921-0962	Bob Mur		. Generato	or's Facility ID No.
5.	Generator's Facility Name, Contact Person, and Physical Addres	s			
	Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666	·	·	Generato	or's Tank Owner ID No.
6.	Generator's Facility Phone (210) 921-0962	Bob Mur	ray	•	• •
7.	Transporter 1 Company Name and Address			G06-3	ter's Phone 373 - 5820
ľ	2700 Wilson			Contact P	Person:
	TITIKIJI V JEZ J 1703		\mathcal{P}	ERNY	WILLIAMS
8.	Transporter 2 Company Name and Address	$(4) \forall a = c + p$	Į E	Transport	ter's Phone
		 4. (2.4) 5. (2.4) 6. (2.4) 		Contact P	
	Designated Facility Name and Site Address Coma 1		<u></u>	Facility's I	
	Kohle	County Landfi nberg Lane #2 raunfels, Texa		(210)	625-7894 Person:
10.	Facility ID Number #66	4.1			
	,, 00			Lynn K	night
11.	Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity		
11.	Waste Description (including Proper Class, and ID) a. UST Soil	12. Containers	13. Total Quantity		15. Waste Code
	Waste Description (including Proper Class, and ID) a. UST Soil b.		+	14. Unit	15. Waste Code
	Waste Description (including Proper Class, and ID) a.	truck	12 n Cornect Labo	14. Unit	15. Waste Code
G.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	truck	n Correct Labe	14. Unit	15. Waste Code d N/A
G.	Waste Description (including Proper Class, and ID) a.	truck	12 n Cornect Labo	14. Unit	15. Waste Code d N/A
G.	Waste Description (including Proper Class, and ID) a.	truck f UST's SAFB Correction 6 3/6/45 RB	12 n Correct Labe -10-350-5f AFB-10-350	14. Unit	15. Waste Code d M-9c -0x-Rm2
G. 16.	Waste Description (including Proper Class, and ID) a. JST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in gulations.	f UST's SAFB Correction 6 3/6/45 RB	12 n Correct Labe 10-350-56 AFB-10-350	14. Unit cu/y	15. Waste Code d 17. Waste Code d 7. Waste Code d by Shipping name and
G. 16.	Waste Description (including Proper Class, and ID) a. J J J J J J J J J J J J J J J J J J J	f UST's GAFB Correction 6 3/6/45 RB Ithis consignment are full proper condition for trans	In Correct Laber 10-350-5f SAFB-10-350 Ily and accurately descriport by highway accompature	14. Unit cu/y	15. Waste Code d 17. Waste Code d 7. Waste Code d by Shipping name and
G. 16. Ga a re 17.	Waste Description (including Proper Class, and ID) a. JST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in gulations. Printed/Typed Name	f UST's GAFB Correction 6 3/6/45 RB Ithis consignment are full proper condition for trans	In Correct Laber 10-350-5f SAFB-10-350 Sport by highway accompature	14. Unit cu/y	15. Waste Code d 17. Waste Code d 19. Waste Co
G. 16. Ga a re 17.	Waste Description (including Proper Class, and ID) a. J J J J J J J J J J J J J J J J J J J	f UST's GAFB Correction 6 3/6/95 RB fthis consignment are ful proper condition for trans	In Correct Laber 10-350-5f SAFB-10-350 Ily and accurately descriport by highway accompature	14. Unit cu/y	15. Waste Code d M-9C -OX-RM2 by shipping name and cable federal and state Date SES 94
G. 16. 17. 18.	waste Description (including Proper Class, and ID) a.	f UST's GAFB Correction 6 3/c/45 PB fthis consignment are ful proper condition for trans	In Correct Laber 10-350-5f AFB-10-350-5f Ily and accurately descriport by highway accompature	14. Unit cu/y	15. Waste Code d 16. Waste Code d 17. Waste Code d 18. Waste Code D 19. P
G. 16. 17. 18.	Waste Description (including Proper Class, and ID) a.	f UST's GAFB Correction 3/6/45 Rb Ithis consignment are full proper condition for trans Sign Sign Sign	In Correct Label 10-350-5f AFB-10-350-5f AFB-10-350-5f AFB-10-350	14. Unit cu/y //s cribed above ding to applic	15. Waste Code d 17/4 15. Waste Code d 17/4 15. Waste Code d 16. Nate Code Date Date Date Date Date Date Date Dat
G. 16. 17. 18.	waste Description (including Proper Class, and ID) a.	f UST's GAFB Correction 3/6/45 Rb Ithis consignment are full proper condition for trans Sign Sign Sign	In Correct Label 10-350-5f AFB-10-350-5f AFB-10-350-5f AFB-10-350	14. Unit cu/y //s cribed above ding to applic	15. Waste Code d 17/4 15. Waste Code d 17/4 15. Waste Code d 16. Nate Code Date Date Date Date Date Date Date Dat

- Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter, Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

经基础证据的基础的基础的表现的 的现在分词

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received." 🚟 Constitution of

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

in a figure - INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

1. 1. 1. 1

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. - voluve wegazitet.
 - Cerification of a transport of neutral or successive season of the prince of the successive means of the successive of the suc

and the property of the second second

Court Housey La. Mill

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in $3\pi + 3\pi \sin \theta$



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID No.	2.	Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	393 Eglin Kelly A.F.B SAN ANTONIO 79 Bob Murr	~ / /		t Document No. 7 4 5 8 0 acility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666		C.	Generator's T	ank Owner ID No.
6. Generator's Facility Phone (210) 921-0962	Bob Murr	ay	· ·	
7. Transporter 1 Company Name and Address PWF 2700 Wilson			Transporter's 806-37. Contact Person	3-5820 on:
B. Transporter 2 Company Name and Address			ERRY W	Phone
6. Transporter 2 Company Name and Address			Contact Perso	**
Kohle:	County Landfilnberg Lane #2 raunfels, Texas	-	Facility's Photo (210) 625 Contact Person Lynn Knig	5-7894 on:
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity	14. Unit	15. Waste Code
		10	/ 1	1 ./-
a. US/ 50i/	truck	13	cu/yd	N/A
a. U.S. Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the Special Handling Instructions and Additional Information		In Correct 10-350-586 6AFB-10	Laboling	N/M Pbox-RM1
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations.	f UST's GAFRS Correction 3/6/95 MB this consignment are fully proper condition for transp	GAFB - 70 y and accurately descript by highway accord	Labeling = 0x-1811-4 0-350-5	hipping name and e federal and state
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in packed.	f UST's GAFR- Correction 3/6/95 AB this consignment are fully proper condition for transp	AFB - 10 And accurately descript by highway according to the second sture.	Laboling OX-RM- (From 1997) O - 350 - 5 ibed above by sing to applicable	hipping name and
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name	f UST's GAFR- Correction 3/6/95 AB this consignment are fully proper condition for transp	and accurately description by highway according to the second sture.	Laboling OX-RM-G O-350-5 ibed above by s ing to applicable	Date Date
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD	f UST's GAFB- Correction AB 3/6/95 AB this consignment are fully proper condition for transp	and accurately description by highway according to the second sture.	Laboling OX-RM- (From 1997) O - 350 - 5 ibed above by sing to applicable	Date Date
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space	f UST's GAFBA Correction 3/6/95 MB this consignment are fully proper condition for transp DOL Signal Signal Signal	and accurately description by highway according to the store of the st	bed above by sing to applicable	Date Date Date Date
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	f UST's GAFBA Correction 3/6/95 MB this consignment are fully proper condition for transp DOL Signal Signal Signal ubstance wastes covered	and accurately description by highway according to the second sture.	bed above by sing to applicable	Date Date Date Date Date Date Date

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter, Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.). 🛴
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter. 41. 11

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

13/18/ Ca

2012 1 3 5 10 1 . . . ·

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- .21... Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14...

MASIN MASING THE RESIDENCE OF THE PROPERTY OF

AJAN man' virgut Canvol

econortium ediperation is se un commo de la collection automore recover eu eu imperialitate automation acceptan Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.000 (white) copy to the GENERATOR at the 3.000 (whit) copy to the 3.000 (white) copy to the 3.000 (whit) copy to the



and the section of th

Please type or print. (Form designed for use on elite/12 -pitch typewriter.)				IONS ON REVERSE SID
PETROLEUM-SUBSTANCE WASTE AFFIDAVIT 1. Generator's LPST ID No. or ST II				2. Page 1 of
FEIROLEUM-SOBSTANCE WASTE AFFIDAVII	N/A	· · · ·	•	NA
Generator's Name, Contact Person, and Mailing Address DOD (FUDS)				Affidavit Document No.
c/o U.S. Army Corps of Engineers			NS	2 68874
701 Camp Wisdom Rd. Grand Prairie, TX 75052-2402	•		P. Conom	ntor's Facility ID No.
4. Generator's Phone (210) 921-0962 Bob Murray	·	* 4* .3		AFB 10.350
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB		1 г. е	, S. Gas C	797 B. 1 983
1801 Airport Dr. San Marcos, TX 78666				ator's Tank Owner ID No.
6. Generator's Facility Phone (210) 921-0962 Bob Murra	1 V	·		A Commission of the Commission
7. Transporter 1 Company Name and Address				orter's Phone
CAIN SERVICES 1309 PROSPECT			S/Z ~	392-2246
SAN MAPLOS, TX 78666		• • • • • • • • • • • • • • • • • • •		LIE CAIN
8. Transporter 2 Company Name and Address			E. Transp	orter's Phone
			AND T	AND THE PROPERTY OF
		een na geenske	Contac	t Person:
9. Designated Facility Name and Site Address Comal County landfill			F. Facility	
Kohlenberg Lane #2				525-7894 t Person:
New Braunfels, TX 78130 10. Facility ID Number #66	in the second se		Lynn k	. '
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quant		
a. CAFB' 10.350, AMM SOB. OX	dump	/3	cu/y	
b.		, , ,	- - -	,
G. Additional Description for Materials Listed Above	e e c			No. 1
JP4 contaminated soil from removal of	UST's		70 To 1	. 0 1 41
16. Special Handling Instructions and Additional Information			· · · · · · · · · · · · · · · · · · ·	"
talen er en er en er	a .	1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
GENERATOR'S CERTIFICATION: I hereby declare the contents of to are classified, packed, marked, and labeled, and are in all respect in pro- regulations.	nner condition for transpo		cording to app	
17. Printed/Typed Name: 11 OSN 11 SOCIETY 19 11 11 11	Signat	turen a		Date .
U.S. Army Corps of Engineers FOR DO.		120300) i	pen	7/22/94
18. Transporter 1 Acknowledgement of Receipt of Materials	Signat	ure	011	Date
Printed/Typed Name K STEPHENS		anok	Spla	7-22-84
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	attive examinate the Signal	ture 1/ANDE	.S. V. 25. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	mism in Date of Page.
20. Discrepancy Indication Space	Mac of 9f4 10 develop)	, cash 33 85844 84	il un venil	o sea no padimento
21. Facility Owner/Operator: Certification of receipt of petroleum-su	bstance wastes covered	by this affidavit e	xcept as not	ed in Item 20.
Printed/Typed Name na ambba and ha ROTAR BARK and or yor. Sign Comal County landfill	gnature y paraligmon	1 mahi	Acoler suby : F	1-22 9y
NRCC-0332-(10-15-93) White Original Yellow ST Facility	0:4 7			

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

i.

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4, to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20, any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3. 12 (1997)

illikbast ytruet (amot) nterresidad productiva de la productiva de la company de la compa

ୟ ମଧ୍ୟ ମଧ୍ୟ ଅବସ୍ଥାନ ଅଟେ ଅଟମିକ ମିଟ୍ୟାନିକ ସେଠା ମୁଧ୍ୟ ହେଉପରେ । ଜିଲୋ ମନ୍ଦ୍ର ନାର୍ଥ ନାର୍ଥ କରି ଅଟମିକ ନିଲ୍ଲ ପ୍ରଥମୟ କଣ୍ଡ



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)				IONS ON REVERSE SIDE.
PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or STID N	lo.	2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd.			A. State A	ffidavit Document No.
Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray	· · · · · · · · · · · · · · · · · · ·			tor's Facility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB			185 T 1 1 7 8 40 T	e se e gradu e
1801 Airport Dr. San Marcos, TX 78666	en e			tor's Tank Owner ID No.
6. Generator's Facility Phone (210) 921-0962 Bob Murra	y	C 1 et		7 to 1 to 1 to 1
7. Transporter 1 Company Name and Address (AIN SERVICES) 1 (1) (1) (2)		orter's Phone 352 -2246
1309 PROSPECT	1.64 an			Person:
8. Transporter 2 Company Name and Address		a pro Da	E. Transpo	orter's Phone
		, .	Contact	Person:
Designated Facility Name and Site Address		, E-	F. Facility	e Phone
Comal County landfill Kohlenberg Lane #2	_	in the second	210-6	25-7894 Person:
New Braunfels, TX 78130 10. Facility ID Number #66		· · · · · · · · · · · · · · · · · · ·	Lynn K	
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quant	ity 14. Ur	nit 15. Waste Code
a. GAFB. 10.350 · SPB. OX	dump	/3	cu/y	d
b				
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	UST's		Nes for	
16. Special Handling Instructions and Additional Information		r t		
GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in proregulations.	per condition for transp	ort by highway ac	escribed above	olicable federal and state
17. Printed/Typed Name	Signa		e el esta llega la c	Date /
U.S. Army Corps of Engineers FOE VC	.	1925 N/V	Rang	7/22/94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Che Guer Con Con Control Contro	Signa	iture	UMO	7/23/GU
19. Transporter 2 Acknowledgement of Receipt of Materials and the Printed/Typed Name	Signa	Iture III. A A IRI	AMERICA I	arc. Date part a
20. Discrepancy Indication Space	Alikan, bul is to to be	garana samon o	ช อยาร สิ่งรอดัง	в ем по беспозав
21. Facility Owner/Operator: Certification of receipt of petroleum-sut Printed/Typed Name 2 2000 bs entire NOTARBARBO 2010 to personal per	ostance wastes covered	by this affidavit of	except as not	ed in Item 20.
Comal County landfill TNRCC 0332_(10-15-93) White Original Yellow ST. Facility (1995)	your Knia	ht		7/23/94
		was Canadad		

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- Enter the TNRCC waste code assigned to this shipment of wastes.
- Provide any additional information regarding the wastes.
- The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received." (x,y,y)

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

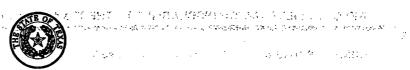
INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. "The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14: รศ Xaleia แล้วแบบ

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) and 1000 are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) and 1000 are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the address shown in 3.34 (1000) are the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed or the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the completed original (white) copy to the GENERATOR at the copy to the GENERATOR at the copy to the copy t

Coral County inaquille sancrase de la constanció in an fill distribution and a communication of the communication of the communication of the communications of the communication of the

ចិត្តប្រសាក្សា ខេត្តប្រើបានបើ



INSTRUCTIONS ON REVERSE SIDE.

the state of the s

_	se type or print. (Form designed for use on elite/12 -pitch typewriter.)				
]	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID N	lo.	2. Page 1 of
3.	Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd.	en de de er en en en eren en en eren en eren en en eren en en eren en eren en eren en eren en eren en en en e En en		^o NS	:
	Grand Prairie, TX 75052-2402 Generator's Phone (210) 921-0962 Bob Murray		eg er jör		ntor's Facility ID No.
5.	Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB				e e e e
	1901 Airport Dr	partition of the Barbara and t	na kamera maraka Karangan Maraya	•	tor's Tank Owner ID No.
6.	Generators Facility Phone (210) 921-0962 Bob Murra	ıy	1 - 12 m 3 1 m 262 m		en in the first of the first
7.	Transporter 1 Company Name and Address CAIN SERVICES	als the	gragi i ki e Alaysi		orter's Phone 1572 - 2246
	in the second of	ithe Toller was been been been been been been been bee	Salar Agentin		t Person: IE CAUN
8.	Transporter 2 Company Name and Address	Da green approved as a final	a sikemar it. I ust	E. Transpo	orter's Phone
		i daga bilang sa sa sa Tingga bilang sa sa sa sa	a gradini i disa Disa shirida sambiya		t Person:
9.	Designated Facility Name and Site Address Comal County landfill	,		F. Facility	• • • • • • • • • • • • • • • • • • • •
10.	Kohlenberg Lane #2 New Braunfels, TX 78130 Facility ID Number #66	ing a second design of the sec	19 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Contac	525–7894 tPerson: Knight
11.	Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quant	ity 14. U	nit 15. Waste Code
	a. CAFB - 10.350. SPB . OX	dump	/2	cu/y	yd .
_	b.				
G.	Additional Description for Materials Listed Above JP4 contaminated soil from removal of	UST's			
16.	Special Handling Instructions and Additional Information				
	en e		and Harata	San Argania Policy Control	
а	ENERATOR'S CERTIFICATION: I hereby declare the contents of the reclassified, packed, marked, and labeled, and are in all respect in programmer.	his consignment are full oper condition for transp	y and accurately d port by highway ac	escribed abo cording to app	ve by shipping name and plicable federal and state
	Printed/Typed Name	Signa	ature	e mente estre	Date ,
	U.S. Army Corps of Engineers Fol [000	1303 (10)	URRAY	7/23/94
18.	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signal Si	ature W.	and the second	Date
ļ	MINK! I STANJALK	1///			1-25-74
L	Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signa	atidre 1	A40-839 D	TOTEM Date DECEMBER
19.		enterne om en tim Uslighi Uslighi Uglikosi ustrika Garvena	· i		
19. 20.	Printed/Typed Name Discrepancy Indication Space Facility Owner/Operator: Certification of receipt of petroleum-surprinted/Typed Name rits applying a distance of the PCTAGENO and or	.giiline edit is Gaviene	ন প্রিয়েশিল জালভাগ ও d by this affidavit e	there avaint	s edice becasee
19. 20. 21.	Printed/Typed Name Discrepancy Indication Space Facility Owner/Operator: Certification of receipt of petroleum-su	options wastes covere pature migna b for mo	n yasume are see so d by this affidavit of a file second resurt	it one livebilities xcept as not	ed in Item 20.

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20, any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. the content of the date of the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. the content of the date of the

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 32/16/2 as 12/16

Coral Country Londfills



Austin, Texas 78711-3087 INSTRUCTIONS ON REVERSE SIDE. Please type or print. (Form designed for use on elite/12 -pitch typewriter.) 1. Generator's LPST ID No. or ST ID No. 2. Page 1 of PETROLEUM-SUBSTANCE WASTE AFFIDAVIT 3. Generator's Name, Contact Person, and Mailing Address A. State Affidavit Document No. DOD (FUDS) 68877 c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd. B. "Generator's Facility ID No. Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray GARY AFB 10:30 5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Dr. C. Generator's Tank Owner ID No. San Marcos, TX 78666 6. Generator's Facility Phone (210) 921-0962 Bob Murray D. Transporter's Phone 7. Transporter 1 Company Name and Address CAIN SERVICES 512-392-2746 SAN MARCOSTY 78666 8. Transporter 2 Company Name and Addre Contact Person: 9. Designated Facility Name and Site Address Comal County landfill F. Facility's Phone 210-625-7894 Kohlenberg Lane #2 Contact Person: New Braunfels, TX 78130 10. Facility ID Number #66 Lynn Knight 11. Waste Description (including Proper Class, and ID) 14. Unit 15. Waste Code 12. Containers 13. Total Quantity dump Z cu/yd: G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers FOR DOD

Transporter 1 Acknowledgement of Receipt of Materials Signature GUERRELO Transporter 2 Acknowledgement of Receipt of Materials (1971 with Signature Printed/Typed Name described on the different and the weath at ittem, received at the Million.

20. Discrepancy Indication Space

Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Facility Owner/Operator:

Comal County landfill

Printed/Typed Name in previous into the Profest divided only by locality and bringing to enterprise bank acrossor program Pale

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13, and 14, were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4, to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the quantities in 13, and 14. The transporter declaring receipt of the wastes and verifying the properties of the transporter declaring receipt of the transporter declaring receipt

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.

COLL SUMMINGS THE COLLEGE CONTRACTOR OF THE COLUMN TANK THE COLUMN THE COLUMN



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID No.	2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd. Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray	7	B. Gene	Affidavit Document No. 1º 68882 erator's Facility ID No.
 5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Dr. San Marcos, TX 78666 6. Generator's Facility Phone (210) 921-0962 Bob Murra 	**************************************	C. Gene	erator's Tank Owner ID No.
7. Transporter 1 Company Name and Address CAIN SERVICES 1309 PROSPECT SAN MARCOS TX 786 8. Transporter 2 Company Name and Address		S/Z Contr	act Person:
9. Designated Facility Name and Site Address Comal County landfill Kohlenberg Lane #2 New Braunfels, TX 78130 10. Facility ID Number #66		F. Facili 210- Conta	ity's Phone -625-7894 act Person: Knight
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity 14.	Unit 15. Waste Code
a. 6-4FB.10.350. pp. spB	dump	13 cu,	/yd
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	UST's		** ** *** *** *** *** *** *** *** ***
GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations.	this consignment are fully roper condition for transpo	ort by highway according to a	bove by shipping name and applicable federal and state
	Signal Signal	ture)	Date / 21/
U.S. Army Corps of Engineers -OR 1		1283 VOJURAN	7/23/94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name CV CRAYTON	Signat R	are Oy Creyton	7/23/94
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signal	ture / pas is say / sar sis	TERROR Date GET RIVE
20. Discrepancy Indication Space		प्रीक्षांकर अंदर्भ करों कर ।	
21. Facility Owner/Operator: Certification of receipt of petroleum-st. Printed/Typed Name (1997) (1998) (19	of the period of the second of	Dimunus dimonium	1 /23 /94

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E.
 If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in Ga 🔩
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

البيوس وكأتهم

19

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records, Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- *20: The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
 - 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

Illigation was a six Caree !

PROPERTY DE LA CONTREMENTA DE LA CONTRE

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

3. Generator's Name, Contact Person, and Mailing Address DOD (FUIDS) C/O U.S. A rary Corps of Engineers 701 Camp Wisdom Rd. Grand Prairtie, TY 75052-2402 4. Generator's Facility Name, Contact Person, and Physical Address Former Garry AFB 1801 Airport Dr. San Marcos, TX 78666 6. Generator's Facility Phone (210) 921-0962 Bob Murray 7. Transporter I Company Name and Address CAW SEMICES 130 PERSECT SAW MARCOS TX 78666 6. Generator's Facility Name and Address CAW SEMICES 130 PERSECT SAW MARCOS TX 78666 6. Transporter 2 Company Name and Address Contact Person: E. Transporter 2 Company Name and Address Contact Person: E. Transporter 2 Company Name and Address Contact Person: 9. Designated Facility Name and Site Address Comai Country Landfill Kohlenberg Jane #2 New Braunfels, TX 78130 10. Facility I Dimberg #566 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Cuentry 14. Unit 15. Waste Code 19. Additional Description for Materials Listed Above JP4 Contaminated soil from removal of UST's 16. Special Handling instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and englastic proper condition for transport by highway according to applicable finderal and state regulations. GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and englastic proper condition for transport by highway according to applicable finderal and state regulations. GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and englastic proper condition for transport by highway according to applicable finderal and state regulations. GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and englastic proper condition for transport by highway according to applicable fi	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID No.	2. 1	Page 1 of
Grand Prairie, TX 75052-2402 4. Generator's Fhore (210) 921-0962 Bob Murray 5. Generator's Facility Name, Contact Person, and Physical Address Forner Gary AFB 1801 Airport Dr. San Marcos, TX 78666 6. Generator's Facility Phone (210) 921-0962 Bob Murray 7. Transporter Company Name and Address PREFECT AND MIRCOS TX 78666 8. Transporter 2 Company Name and Address 8. Transporter 2 Company Name and Address 9. Designated Facility Name and Site Address Contact Person: 9. Designated Facility Name and Site Address Comai Country 1 and fail 1. Kohlenberg Lane #2 Serve Braumfels, TX 78130 10. Facility to Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. Additional Description for Materials Usted Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Address Signature GENERATOR'S CERTIFICATION: Ihereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transporterly highway according to applicable federal and state regulations. 17. Printed Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed Typed Name 20. Discrepancy indication Space	DOD (FUDS) c/o U.S. Army Corps of Engineers		A.		·
Former Gary AFB 1801 Airport Dr. San Marcos, TX 78666 6. Generator's Facility Phone (210) 921–0962 Bob Murray 7. Transporter 1 Company Name and Address CAM SERVICES JOS PRESECT JOS	Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray				
7. Transporter 1 Company Name and Address CHW SEMICES 1309 PRESECT SHAN MARCOS TY 78666 8. Transporter2 Company Name and Address E. Transporter2 Company Name and Address Printed/Typed Name GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. T. Printed/Typed Name U.S. Army Corps of Engineers For Do D T. Transporter's Phone 5/2 - 3912 - 22.46 Contact Person: E. Transporter's Phone Contact Person: Lym Knight 10. Facility in Number 210-625-7894 Contact Person: Lym Knight 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. LHFB / Dr 350 Pp. SPB dump J a cul/yd 15. Special Handling instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Do D 18. Transporter's Acknowledgement of Receipt of Materials Signature Daje U.S. Army Corps of Engineers Printed/Typed Name Daje Transporter's Phone Contact Person: LFSL F. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Printed/Typed Name Daje Printed/Typed Name Daje Printed/Typed Name Daje Printed/Typed Name Daje	Former Gary AFB 1801 Airport Dr.	÷	C.	Generator's Ta	ank Owner ID No.
### SERVICES ### 1309 PRESPECT	6. Generator's Facility Phone (210) 921-0962 Bob Murra	a y			
8. Transporter 2 Company Name and Address E. Transporter 3 Company Name and Address E. Transporter 5 Phone Contact Person: P. Facility's Phone Contact Person: F. Facility's Phone Contact Person: 10. Facility 10 Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. AHFB //0/350' ff. SPB dump 17. Cu/yd b. G. Additional Description for Materials Usted Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Artry Corps of Engineers Full Dol) Signature J. Dath J. J	CHIN SERVICES			5/2 - 3 9 Contact Perso	rz -22.46 n:
Contact Person: 9. Designated Facility Name and Site Address Coma1 County landfill Kohlenberg Lane #2 New Braunfels, TX 78130 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Dol Signature Data Si	GAN MARCOS TX	78666			· · ·
9. Designated Facility Name and Site Address Coma1. County 1 and fil1 Kohlenberg Lane #2 New Braunfels, TX 78130 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. AFFB / 10 350 / pp. 5pB dump /3 cu/yd b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/TypedName U.S. Army Corps of Engineers For Dob Williams U.S. Army Corps of Engineers For Dob Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName U.S. I Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName U.S. I Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName U.S. Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName U.S. Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName U.S. Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName U.S. Transporter 2 Acknowledgement of Receipt of Materials Printed/TypedName Date Transporter 2 Acknowledgement of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/TypedName Date Printed/TypedName Date and Prin	8. Transporter 2 Company Name and Address / /	Section 8	E.	Transporter's F	Phone
Comal County landfill Kohlenberg Lane #2 New Braunfels, TX 78130 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. (AFB / () 350 / PA SPB dump /3 cu/yd b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers Full DDD Signature Date 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name U.S. I Carlifornia Printed/Typed Name Signature Date Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Date Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Date Transporter 2 Acknowledgement of Receipt of Materials Signature Date Transporter 2 Acknowledgement of Receipt of Materials Signature Date Transporter 2 Acknowledgement of Receipt of Materials Signature Date Transporter 2 Acknowledgement of Receipt of Materials Signature Date Transporter 2 Acknowledgement of Receipt of Materials Signature Date Transporter 2 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Acknowledgement of Receipt of Materials Date Transporter 3 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Acknowledgement of Receipt of Materials Signature Date Transporter 3 Ackn				Contact Perso	n:
Rohlenberg Lane #2 210-625-7894 Contact Person:	Designated Facility Name and Site Address Comal County landfill	,	F.	Facility's Phor	10
11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. Aff B 1013501908B dump Description for Materials Listed Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Don Signature Signature Date Tansporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Signature Signature Signature Date Tansporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space	Kohlenberg Lane #2 New Braunfels, TX 78130		1	Contact Perso	n:
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Dob Signature Date V.S. Army Corps of Engineers For Dob Signature Date Printed/Typed Jame Corps of Receipt of Materials Signature Signature Signature Signature Signature Date Date Printed/Typed Name 20. Discrepancy Indication Space Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name at a case by a signature of the parameters of the covered by this affidavit except as noted in Item 20. Printed/Typed Name at a case by a signature of the parameters of the covered by this affidavit except as noted in Item 20. Printed/Typed Name at a case by a signature of the parameters of the covered by this affidavit except as noted in Item 20. Printed/Typed Name at a case by a signature of the parameters of the covered by this affidavit except as noted in Item 20. Path Andrew Covered Signature of the covered by this affidavit except as noted in Item 20. Printed/Typed Name at a case by a signature of the covered by this affidavit except as noted in Item 20. Path Andrew Covered Signature of the covered by this affidavit except as noted in Item 20. Printed/Typed Name at a case by a signature of the covered by this affidavit except as noted in Item 20. Path Andrew Covered Signature of the cove	11 00	12. Containers	,	,	
JP4 contaminated soil from removal of UST's 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For DOD Signature Date 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name CS / I C	a. CAFB 1/0,350, pp. 8PB	dump	13	cu/yd	
GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Dob Signature Date V.S. Army Corps of Engineers For Dob Signature Printed/Typed Name CSIGNATURE Signature Signature Signature Signature Signature Date Printed/Typed Name 20. Discrepancy Indication Space Signature Signature Signature Signature Signature Signature Date Printed/Typed Name Date Dat		I UCT!	<u> </u>		
GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Don 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to each by a substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to each by a substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to each by a substance wastes covered by this affidavit except as noted in Item 20. Pathylatical of Acceptable and Acceptable a		. 051 8	·		
are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers For Dob 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to assibbs end to ACTARILLED and the Signature of Signature of Pathy Policy Signature of Pathy Pathy Policy Signature of Pathy Pathy Policy Signature of Pathy Pathy Pathy Pathy Pathy Pathy Pa					*
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to easibbs ent is ACTABLARD and the Cartification besides for the printed/Typed Name.	are classified, packed, marked, and labeled, and are in all respect in pr	this consignment are full roper condition for transp	y and accurately descri port by highway accord	bed above by s ng to applicable	hipping name and efederal and state
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication besides and Indication Space 22. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication Space 23. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication Space 24. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication Space 25. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication Space 26. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication Space 27. Printed/Typed Name to easibbe entitle ACTABLIARD and once to Signature and Indication Space 28. Printed/Typed Name to easibbe entitle ACTABLIARD and once to substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to easibbe entitle ACTABLIARD and once to substance wastes covered by this affidavit except as noted in Item 20.	17. Printed/Typed Name Bank Bank Bank Bank Bank Bank Bank Bank	1 3 3 4	ature	Jakana da in hii	Date
19. Transporter 2 Acknowledgement of Receipt of Materials (2017) Signature (1017) Signature (1017) According to the Date (2017) Printed/Typed Name 20. Discrepancy Indication Space (2017) Signature (1017) According to the State (2017) Signature (1017) According to the State (2017) Signature (1017) According to the State (2017) Accordi			1203 (10) NA	ray	723/94
20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to assists ACTABLAB and of the Company include basis on the property of the control	Printed/Typed Name	Sign	shi ai	~	/23/9 1/
Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name to assubbe edute ACTABE ABD and of the Signature and batalog for mutan (not process account) Date and a signature and process and the signature an		Signal	ature (JAN 1944) AND	irma en 🗸	Date Hitari
Printed/Typed Name at assistion and its AOTAGE AGG and of the Signature and the Signature of the Manager of the Signature of the Printed Signature of the Signa	20. Discrepancy Indication Space	yahaat edi is osvera	nd an, woers actually :	s five of davit a	୦ ଅଞ୍ଚଳ ଅନୟର
Comal County landfill Limit Mant 1/23/90	Facility Owner/Operator: Certification of receipt of petroleum-su Printed/Typed Name the assisting set in Tental and account of St.	ibstance wastes covere	d by this affidavit exce	ot as noted in It	em 20.
1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Comal County landfill	Lynn I	mant	177.	23/94

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

Programme and the second

《张文》的"中

-NOSY 2 1333

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

8 86 M 38 3

 $\Delta M_{1} L_{2} L_{2}$

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste actually received at the facility.
 - -21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -22. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -23. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -24. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -25. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -26. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -27. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.
 -27. Enter the date received and verifying the quantities in 13. and 14.
 -28. Enter the date received and verifying the quantities in 13. and 14.
 -28. Enter the date received and verifying the quantities in 13. and 14.
 -28. Enter the date received and verifying the quantities in 13. and 14.
 -28. Enter the date received and verifying the quantities in 13. and 14.
 -28. Enter the date received and verifying the quantities in 13. and 14.
 -28. Enter the date received and verifying the presence of the verifying the presence of the verifying the presence of the verifying the

management and a restrict of the first and the first of t

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

AND THE STATE OF THE PROPERTY OF THE STATE O

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's	LPST ID No. or ST ID	No.	2. Page 1 of
PETROLEUM-SUBSTAINCE WASTE AFFIDAVII	λ	IA	•	NA
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS)			A. State A	ffidavit Document No.
c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd.				ryee af rolling
Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray				tor's Facility ID No. AFB 10-350
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB				
1801 Airport Dr. San Marcos, TX 78666			C. Genera	tor's Tank Owner ID No.
6. Generator's Facility Phone (210) 921-0962 Bob Murra	. y			
7. Transporter 1 Company Name and Address			D. Transpo	orter's Phone
CAIN SERVICES		. e e1	. –	392-2246
1309 PROSPECT SAN MARCOS,TX 7866		· · · · · · · · · · · · · · · ·	Contact CE SU	Person:
8. Transporter 2 Company Name and Address	6		E. Transpo	orter's Phone
	· · · .	· · · · · · · · · · · · · · · · · · ·		ry seed to the seed of the seed of
			Contact	Person:
Designated Facility Name and Site Address			F. Facility	
9. Designated Facility Name and Site Address Comal County landfill Kohlenberg Lane #2				25-7894
New Braunfels, TX 78130 10. Facility ID Number #66		The second se	Contact	Person: night
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quar		
a. GAFB 10.350 . pp. 5pB	dump	12	cu/y	d
b. , , , , , , , , , , , , , , , , , , ,				
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	IIST¹s	411		
16. Special Handling Instructions and Additional Information				
		1 3 G A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		• •
GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in proregulations.				
17. Printed/Typed Name		Signature.		D'ate /
U.S. Army Corps of Engineers For Da		Vd. 3 (D) V.	ren	7/23/94
Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature	7	Date - 1/0-10
Peter GUERTERD			uno	1/23/94
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	er fin i sent a ventre sprevent	Signature 1950AST. (4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A. A. / Six Date of the first
20. Discrepancy Indication Space	intrasi a 170 m.	नवाकः संस्कृतकः वस्त्रक्षप्रः	บปริกษา ที่จรับปัก	a distran hadin wata
21. Facility Owner/Operator: Certification of receipt of petroleum-sul Printed/Typed Name Hards about the ROTATION OF THE Printed Operation of the	bstance wastes co	vered by this affidavit	except as note	ed in Item 20.
Comal County landfill	Lynn	Kmaht	enchar (nd Li	1/23/94

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in Garage
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drams, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

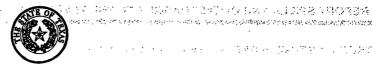
Upon delivery of the shipment, the Facility Qwner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- #20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste page described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.



INSTRUCTIONS ON REVERSE SIDE.

terias i controlo in attento incora materiali propriato e per la perfete per la contrata de la contrata de la c

ing no read and profession of the party of

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID N	0. 2. 1	Page 1 of	
3. Generator's Name, Contact Person, and Mailing Address			A. State Affidavit	Document No.	
DOD (FUDS)	· .		Nº €	68885	
c/o U.S. Army Corps of Engineers		i			
701 Camp Wisdom Rd.		· •		- 4124 - ATO ATO	
Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray		1	B. Generator's F	•	
			GAT (THE	10.1.030	
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB	6.7 · · · · · · · · · · · · · · · · · · ·		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	9.00	
1801 Airport Dr.			C. Generator's Ta	ank Owner ID No.	
San Marcos, TX 78666	• •		and the first		
6. Generator's Facility Phone (210) 921-0962 Bob Murra	ay .			n shi shi na shi a	
7. Transporter 1 Company Name and Address			D. Transporter's	Phone	
CAIN SERVICES	·· · .		512-392	-2746	
	4. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ŀ	Contact Perso	on:	
1309 PROSPECT SAN MARCOS TX 7860		. 1	LESLIE	CAIN	
8. Transporter 2 Company Name and Address		<u>· · · · · · · · · · · · · · · · · ·</u>	E. Transporter's I		
o. Hansportor 2 company Namo and Address		į.		The second	
		ļ	Contact Perso	n:	
		ŀ			
	· .		5 5 35 1 55		
9. Designated Facility Name and Site Address Comal County landfill		1	F. Facility's Phor	10	
Kohlenberg Lane #2			210-625-7	7894,	
New Braunfels, TX 78130	•		Contact Perso	n:	
10. Facility ID Number #66	· · · · · · · · · · · · · · · · · · ·		Lynn Knigl		
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quanti	ity 14. Unit	15. Waste Code	
a. 6-AFB 10.350. pp. SpB	dump	/2	cu/yd		
0.	<u> </u>		L		
G. Additional Description for Materials Listed Above		• •			
JP4 contaminated soil from removal of	IIST's	٠			
16. Special Handling Instructions and Additional Information					
			4.		
	·			<u> </u>	
GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state					
regulations.					
regulations. 17. Printed/Typed Name	Signa	tura .	497 5	Date	
17. Printed/Typed Name		30500)	pan 7	Date /23/94	
		205(D) L	pan 7	Date / 2/23/94 Date	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE	00	205(D) L	ran 7	123/94	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROY CRAY TON	Signal R	1305(0) v ture 24 Cres	yean 7	123/94	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name KOY CRAY TO W 19. Transporter 2 Acknowledgement of Receipt of Materials	00	1305(0) v ture 24 Cres	yean 7	123/94	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROY CRAY TON	Signal R	1305(0) v ture 24 Cres	y Con	123/94	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Printed/Typed Name 20. Discrepancy Indication Space	Signal R	Jos (O) v dure Q Country	ton the a size bitter serve	7/23/94 Dade //23/94 Date	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LOY CRAY TO N 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space	Signal Signal Signal	Joseph L ture Constitution	i 	23/94 Date /23/94 Date /23/94	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DY CRAY TO W 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-surprinted/Typed Name accombine and a ROTANGARD Rain and Significant Space Significant Space Space ROTANGARD Rain Space Significant Space Space ROTANGARD Rain Rain Space Space Rotangard Rain Rain Rain Space Space Rotangard Rain Rain Rain Rain Rain Rain Rain Rain	Signal Signal Signal	Joseph L ture Constitution	xcept as noted in It	23/94 Date 2/23/94 Date 2000	
17. Printed/Typed Name U.S. Army Corps of Engineers FOR DE 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LOY CRAY TO N 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-su	Signal Signal Signal Signal Signal	ture Out the strict of the st	xcept as noted in It	Date Date em 20.	

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit,
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., If the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.)
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

MORRISON FOR

mental harmonic and because a construction of the second o

สส เมิโด เลยได้ เสือให้เลื

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.



1. Generator's LPST ID No. or ST I			No.	2. Pa	ge 1 of
PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	/	NA	: 	N	A
Generator's Name, Contact Person, and Mailing Address Thing Address	."		A. State	Affidavit D	ocument No.
DOD (FUDS) c/o U.S. Army Corps of Engineers		•	N:	<u>° 68</u>	3886
701 Camp Wisdom Rd.					
Grand Prairie, TX 75052-2402		•	B. Gener		
4. Generator's Phone (210) 921-0962 Bob Murray		· · · · · · · · · · · · · · · · · · ·	GARY	AFB	10.350
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB				•	
1801 Airport Dr.			C. Gener	ator's Tani	k Owner ID No.
San Marcos, TX 78666	•		Section No.		
6. Generator's Facility Phone (210) 921-0962 Bob Murra	ay	. :		_	· .
7. Transporter 1 Company Name and Address			D. Transp		_
CAIN SERVICES		•	512-	392-	-2246
1309 PROSPECT	. 4	* A	··· t ··· Conta		11.1
SAN MARCOS, TX 78	666	<u> </u>			
8. Transporter 2 Company Name and Address		4.5	E. Transp	orter's Pho	one
		ing the second second second	Contac	ct Person:	n e
	.e	ing and the second of the second	1		,
Designated Facility Name and Site Address Comal County landfill			F. Facility	's Phone	
Comal County landfill Kohlenberg Lane #2	.·	40 - N. 19	210-	625–78	•
New Braunfels, TX 78130		in de la servició. La companyación de la companyación		ct Person:	74
10. Facility ID Number #66		15	Lynn	Knight	
11. Waste Description (including Proper Class, and ID)	12. Containers				5. Waste Code
a. (AFB 10:350.pp. SpA	dum	P /3	cu/	yd	·
G. Additional Description for Materials Listed Above	,		+ + 15		
JP4 contaminated soil from removal of	IIST†e	<u></u> .	w.	•	•
16. Special Handling Instructions and Additional Information					
		1 to 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
GENERATOR'S CERTIFICATION: I hereby declare the contents of	this consignment a	are fully and accurately	described abo	ove by shir	ning name and
are classified, packed, marked, and labeled, and are in all respect in pregulations.					
17. Printed/Typed Name		Signature)	<u> </u>		Date /
U.S. Army Corps of Engineers For Do	D Q	Onoso	uran	7/	23/94
Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature	7	7	Date
Peter Guerrero	ga wasan ka masan iyo y	Letu Si	uno	7/2	3/94
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	ne dingering was	Signature 1. 2A 1.23	TAN MER	न्तर∕क्रां,	Date ::
240					
20. Discrepancy Indication Space	ing the second of the second	अर्थास्ट ११६ सम्बद्ध है से अर्थेस्ट	adrībus livistor	tans col:	sachoses
21. Facility Owner/Operator: Certification of receipt of petroleum-su	ibstance wastes c	overed by this affiday	it except as no	ted in Item	
district Charles of Samuel Manager Property	ibstance wastes c	overed by this affiday	it except as no	ted in Item	

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's malling address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D
- If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.),
- Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- Provide any additional information regarding the wastes.
- The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

136 180

and the contraction of Mercanical and Proceedings of the Contraction o

Illithral vanami Is 60

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Committee Digital Room Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- · 20. · The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste 🙈 🚕 described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14. Wife Dieseroning

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.48734 1995



INSTRUCTIONS ON REVERSE SIDE.

A With Common Mindle Control of the Control

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST ID		2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd. Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray		N. B. Gener	Affidavit Document No. 6 8 8 8 7 ator's Facility ID No. AFB (0.350
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Dr. San Marcos, TX 78666	en e	r e rue e	ator's Tank Owner ID No.
6. Generator's Facility Phone (210) 921-0962 Bob Murra	ау		and the same and
7. Transporter 1 Company Name and Address CAIN SERVICES 1309 PROSPECT		5/2 -	oorter's Phone 35 Z - 2246 ct Person: CIE CAIN
8. Transporter 2 Company Name and Address		E. Transp	porter's Phone
9. Designated Facility Name and Site Address Comal County landfill Kohlenberg Lane #2 New Braunfels, TX 78130 10. Facility ID Number #66		F. Facility 210- Contac	
11. Waste Description (including Proper Class, and ID)	12. Containers 13	. Total Quantity 14. U	
a. GAFB 1 16. 350. PP. SPA	dump	/3 cu/	yd
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the second Handling Instructions and Additional Information	f UST's		
GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in p regulations. 17. Printed/Typed Name	this consignment are fully an roper condition for transport	by highway according to ap	ove by shipping name and oplicable federal and state
U.S. Army Corps of Engineers FOR DO	D //C	sos (1) v Rang	7/23/94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signatur	lie Cam	Dafe 7-23-9 4
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signatun	90 (M6 - 2)7A (ABS 4Q7	ยการ ก็องค Date กมรางแก้
20. Discrepancy Indication Space	a Hites and his conventes of.	z. De erene en nas livotá	Da odino escazadi
21. Facility Owner/Operator: Certification of receipt of petroleum-s Printed/Typed Name and paradoss add to the ASSIVAGO add and S Comal County landfill	ubstance wastes covered by signature		

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.

ARRELLES SO GARLY

in mugither Alginsi

- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example): 14-yard dump truck, 55-gallon drums, etc.).
- Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in *Date Received.* Ald Block on 1. 16 A. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1. 18 1.

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

15 1250 P INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

Limit 14

20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility. काराज्ये कर्दाश्चकी मानुस्ट हो। स

ANN SOLL

21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

COND. COUNTY DENCETED.

en la realização de la latina de la compansión de la comp

ใจแบบ และ และ เดือน ครั้งแบบ และสองสรัฐคณะสิ่งที่เปลูกที่ผู้สิ่งของไทยสร้องผู้ติดได้

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.000 and 1.000 an



INSTRUCTIONS ON REVERSE SIDE. Please type or print. (Form designed for use on elite/12 -pitch typewriter.) 1. Generator's LPST ID No. or ST ID No. 2. Page 1 of PETROLEUM-SUBSTANCE WASTE AFFIDAVIT A. State Affidavit Document No. 3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) No 68888 c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd. Grand Prairie, TX 75052-2402 B. Generator's Facility ID No. 4. Generator's Phone (210) 921-0962 Bob Murray LARY AFB 10.350 5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Dr. C. Generator's Tank Owner ID No. San Marcos, TX 78666 6. Generator's Facility Phone (210) 921-0962 Bob Murray D. Transporter's Phone 7. Transporter 1 Company Name and Address 512-392-2246 CAIN SERVICES 1309 PROSPECT Contact Person: LESLIE CAIN 8. Transporter 2 Company Name and Addres E. Transporter's Phone Contact Person: 9. Designated Facility Name and Site Address F. Facility's Phone Comal County landfill 210-625-7894 Kohlenberg Lane #2 Contact Person: New Braunfels, TX 78130 10. Facility ID Number #66 Lynn Knight Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code dump cu/yd G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers FOX Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name Signature Transporter 2 Acknowledgement of Receipt of Materials 2017 中海中国中国共和国国际 Printed/Typed Name 20. Discrepancy Indication Space discretized on the address fluid as waste actually received at the facilities

Printed/Typed Name and askinbs with the RO FARESTED and only a Signature unique betaken /20) with mutay by a absocuration

Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20.

21. Facility Owner/Operator:

Comal County landfill

- Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14 yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

1 183 1 1. Call

32.1

11001

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

1411111 INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

STINE

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

シングアンアン

Andrew Stranger and Management of the Stranger of the Stranger

୍ରି ବିବ୍ୟୁ ପ୍ରତ୍ୟ ପ୍ରତ୍ୟ କ୍ଷିତ୍ର ପ୍ରତ୍ୟ କ୍ଷିତ୍ର ହେ । ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ହେ । ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬

าเป๋า วาบีวยกระ . โดยสกั

Const County variability

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3.



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	Generator's LPST ID No. or ST ID I NA	No.	2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Rd.		A. State Al	ffidavit Document No.
Grand Prairie, TX 75052-2402 4. Generator's Phone (210) 921-0962 Bob Murray			tor's Facility ID No. 4 <i>FB 4/0 • 350</i>
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Dr. San Marcos, TX 78666		C. General	tor's Tank Owner ID No.
6. Generator's Facility Phone 210) 921-0962 Bob Murra	y	is one	er tid ar
7. Transporter 1 Company Name and Address CHIN SERVICES			orter's Phone
1309 PROSPECT		_	<i>39</i> 2 - 2 2 46 Person:
SAN MARCOS, TV 786	66	LESLI	IE CAIN
8. Transporter 2 Company Name and Address	and the second of	E. Transpo	orter's Phone
v · · ·	· · · · · · · · · · · · · · · · · · ·		Person:
			3. 6 . sas
9. Designated Facility Name and Site Address Comal County landfill			s Phone
Kohlenberg Lane #2 New Braunfels, TX 78130 10. Facility ID Number #66		Contact	25-7894 Person: night
11. Waste Description (including Proper Class, and ID)	12. Containers 13. Total Quan		
a. 6AFB 10-350.00.50A5	dump /Z	cu/y	d
b. //			
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	IIST'e	in the second second	en traken en skriver en
16. Special Handling Instructions and Additional Information	001 3		
			A Markey Commence
		· · ·	
GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in proregulations.			
17. Printed/Typed Name	Signature		Date
U.S. Army Corps of Engineers For D		RAM	1/23/94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	1	Date
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature* Lips of 107	ve orange	Colfo Date:
20. Discrepancy Indication Space	s wedin action messence of the Neille.	r bee frabilie	sedinisal
21. Facility Owner/Operator: Certification of receipt of petroleum-su Printed/Typed Name, de acombis edit to FIOTAREMED edit of glock	bstance wastes covered by this affidavit	except as note	ed in Item 20.
Comal County landfill	Semm Kmalt	ne you recom	7/25/94
NRCC-0332-(10-15-93)	Pink Transporter Blue - Generator	s first copy	

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter,

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

list C Kares

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- *20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.

Coral County large Line)

THE REAL PROPERTY OF THE PROPE

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3: 100 list and 100



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID No.	2.	Page 1 of
Generator's Name, Contact Person, and Mailing Address	· · · · · · · · · · · · · · · · · · ·	A	State Affidavi	Document No.
DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road			Nº :	74550
Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	Bob Murr		Generator's F	acility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address			٠.	
Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666	en e	C	Generator's T	ank Owner ID No.
6. Generator's Facility Phone (210) 921-0962	Bob Murr	ay	Y = 1% (14.5) = 7	
7. Transporter 1 Company Name and Address ・ チ ω エ	· .		Transporters	
2700 wilson the same	the grade to the control of	and the specific	Contact Perso	on:
amarillo Tx 79103				
8. Transporter 2 Company Name and Address	ा स्थान प्रकृतना क	g saege or ac	Transporters	Phone
		1 655 to 14 .	Contact Perso	l l
	and the second second		i. sa Se	
Designated Facility Name and Site Address Coma1	County Landfil	- •	Facility's Phot	
Kohlenberg Lane #2 (210) 625-7894 New Braunfels, Texas 78130 Contact Person:				
New Br	caunfels, Texas	78130		on:
New Br	raunfels, Texas	78130	Contact Perso	
New Br	raunfels, Texas	78130		
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil	raunfels, Texas	78130,	Contact Perso	ht
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b.	12. Containers	78130	Contact Person Lynn Knis 14. Unit	ht
New B1 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above	12. Containers	78130 13. Total Quantity	Lynn Knis 14. Unit cu/yd	tht 15. Waste Code
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	12. Containers	78130 13. Total Quantity	Lynn Knis 14. Unit cu/yd	tht 15. Waste Code
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	12. Containers	78130 13. Total Quantity	Contact Person Lynn Knis 14. Unit cu/yd	tht 15. Waste Code
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	12. Containers truck UST's GAFO~	78130 13. Total Quantity 12 10-350-5PA	Contact Person Lynn Knis 14. Unit cu/yd	tht 15. Waste Code MA
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	12. Containers truck UST's GAFB-A	13. Total Quantity 10 - 350 - SPA	Lynn Knis 14. Unit cu/yd	tht 15. Waste Code MA hipping name and
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soi b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in p	12. Containers truck UST's GAFO~/ this consignment are fully roper condition for transp	13. Total Quantity 13. Total Quantity 10 - 350 - 5 PA 2 and accurately descort by highway according to the second seco	Lynn Knis 14. Unit cu/yd	tht 15. Waste Code MA hipping name and
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soi b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name	12. Containers truck UST's GAFO~/ this consignment are fully roper condition for transp	78130 13. Total Quantity 10 - 350 - SPA Tand accurately descont by highway according to the part of	Lynn Knis 14. Unit cu/yd	hipping name and efederal and state
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soi b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD	truck 12. Containers truck UST's GAFO- this consignment are fully roper condition for transp DOL Signa	78130 13. Total Quantity 10 - 350 - 5 PA Vand accurately descort by highway according to the point of the	Lynn Knis 14. Unit cu/yd	hipping name and efederal and state Date SEP 94
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soi b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	this consignment are fully roper condition for transport Signal S	78130 13. Total Quantity 10-350-5PA Tand accurately descont by highway according ture. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lynn Knis 14. Unit cu/yd 3-ox-R/ ribed above by sting to applicable	thipping name and efederal and state Date Date Date
10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for BOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space	truck 12. Containers truck UST's GAFB-/ this consignment are fully roper condition for transp DUL Signa Signa Signa	78130 13. Total Quantity 10 - 350 - SPA Tand accurately descont by highway according ture. 10 - 21 - 11 - 11 - 11 - 11 - 11 - 11 -	Contact Person Lynn Knig 14. Unit cu/yd 2-0X-R/ ribed above by sling to applicable 2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	hipping name and efederal and state Date Date Date
New Br 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soi b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	12. Containers truck Texas 12. Containers truck Signa DOL Signa	78130 13. Total Quantity 10 - 350 - SPA y and accurately descort by highway according to the second to the seco	Lynn Knis 14. Unit cu/yd 2-0X-R/	ht 15. Waste Code A/A hipping name and efederal and state Date Date Date Date Date Date Date Date
10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. UST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for BOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Frinted/Typed Name Output 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Frinted/Typed Name Output 20. Discrepancy Indication Space At land to it satisfaces and printing the second of petroleum-second of receipt of petroleum-second of petroleum-second of petroleum-second of receipt of petroleum-second	12. Containers truck Texas 12. Containers truck Signa DOL Signa	78130 13. Total Quantity 10 - 350 - SPA y and accurately descort by highway according to the second to the seco	Lynn Knis 14. Unit cu/yd 2-0X-R/	ht 15. Waste Code A/A hipping name and efederal and state Date Date Date Date Date Date Date Date

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

The same of the sa

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

A THE RESIDENCE OF THE PROPERTY OF THE PROPERT

20 molt at before as touched the struct penalics are some constitutions, in the control of the control of the control of the structure of the control of the

at remember the Children Kindalah Color of Chille Land



INSTRUCTIONS ON REVERSE SIDE.

and the state of the second se

4	·	 1. Generator's LPST 	ID No or STID N	اما	יות ב מחמם כי
P	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generalors L. G.	ID NO. OF STILL.	NO.	2. Page 1 of
3.	3. Generator's Name, Contact Person, and Mailing Address			A. State Aff	fidavit Document No.
ĺ	DOD (FUDS)		; * · · · ·	Nº	74551
	c/o U.S. Army Corps of Engineers			. 11	/ 4 0 0 i
ı	701 Camp Wisdom Road Grand Prairie, Texas 75052-2402	•			- 10 1 10 10 10 10 10 10 10 10 10 10 10 1
4	Generators Phone (210) 921-0962	Bob Murr	^ W		or's Facility ID No.
			ay	111	2 1 3
5.	Generator's Facility Name, Contact Person, and Physical Address	٠		a to the Sale	, the term of
	Former Gary AFB 1801 Airport Drive	e en		C. Generate	or's Tank Owner ID No.
	San Marcos, Texas 78666	en e		2 200	VI G 1
İ		D 1 M			
6.	Generator's Facility Phone (210) 921-0962	Bob Murr	ау		e destala
7.	Transporter 1 Company Name and Address			D. Transpo	rter's Phone
	ρ_{W} .	· · · · · · · · · · · · · · · · · · ·	Tradition as the	806	-373-58 ²⁰
l	2700 WILSON WAR TO THE STATE OF	$P(\mathcal{M}, s) = \{1, 2n\}$		Contact	Person:
	AMARILLON TX 79/03				WILLIAMS
8.	Transportor 2 Company Name and Address			E. Transpor	_ `
<u> </u>	Transportor & Company Trains and Transportor	page of the state of the	Billion Harris Const.	Marie Comment	The state of the s
İ	State of the state	e viga,		Contact	Person:
				Comaci	
<u> </u>	Comp.	<u> </u>	,		
9.	•	County Landfil: berg Lane #2	L ., .	F. Facility's	Phone 625-7894
	New Br	Derg Lanc "~	701:20	, ,	
-	ILCM TIT	SEXAS SIGITALITIES	784.50		
10.	Facility ID Number #66 434 at a second secon	* **	78130	Contact Lynn K	
_	Facility ID Number #66 Asset Land American Jackson Land	* **		an Lynn K	(night
_	Facility ID Number #66 Waste Description (including Proper Class, and ID)		13. Total Quan	an Lynn K	it 15. Waste Code
_	Facility ID Number #66 Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quan	tity 14. Uni	it 15. Waste Code
11.	Waste Description (including Proper Class, and ID) a. LLST Soil b. Additional Description for Materials Listed Above	12. Containers truck	13. Total Quan	Lynn k tity 14. Uni cu/y	(night it 15. Waste Code of the
11.	Waste Description (including Proper Class, and ID) a. LLST Soil b. Additional Description for Materials Listed Above	12. Containers truck	13. Total Quan	Lynn k tity 14. Uni cu/y	(night it 15. Waste Code of the
11.	Waste Description (including Proper Class, and ID) a. LLST Soil b. Additional Description for Materials Listed Above	12. Containers truck	13. Total Quan	Lynn k tity 14. Uni cu/y	(night it 15. Waste Code of the
11. G.	Waste Description (including Proper Class, and ID) a. LLST Soil b.	12. Containers truck	13. Total Quan	Lynn k tity 14. Uni cu/y	(night it 15. Waste Code of the
11. G.	Facility ID Number #66 Waste Description (including Proper Class, and ID) a. LLST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	12. Containers truck	13. Total Quan	Lynn k tity 14. Uni cu/y	(night it 15. Waste Code of the
11. G.	Facility ID Number #66 Waste Description (including Proper Class, and ID) a. \(\subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \) b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information	12. Containers truck UST's GAFB	13. Total Quan / \(\lambda \) -/0-350	Lynn k tity 14. Uni cu/y	(night it 15. Waste Code 7d N/A
11. G.	Facility ID Number #66 Waste Description (including Proper Class, and ID) a. LLST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	12. Containers truck UST's GAFB this consignment are fully	13. Total Quan	Lynn k tity 14. Uni cu/y	it 15. Waste Code of 1/A
G.	Facility ID Number #66 Waste Description (including Proper Class, and ID) a. \(\subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \) b. Additional Description for Materials Listed Above \(\subseteq \subseteq \text{Contaminated soil from removal of} \) Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in prigulations.	12. Containers truck UST's GAFB this consignment are fully roper condition for transport	13. Total Quan	Lynn k tity 14. Uni cu/y	it 15. Waste Code od NA e by shipping name and licable federal and state
G.	Facility ID Number #66 Waste Description (including Proper Class, and ID) a. ILST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in present in pr	12. Containers truck UST's GAFB this consignment are fully roper condition for transport	13. Total Quan	Lynn k tity 14. Uni cu/y	it 15. Waste Code od NA e by shipping name and licable federal and state
11. G. 16. Gi arr re:	Waste Description (including Proper Class, and ID) a. ILST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials	12. Containers truck UST's GAFB this consignment are fully roper condition for transport	13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan	Lynn k tity 14. Uni cu/y	it 15. Waste Code od NA e by shipping name and licable federal and state
11. G. 16. Gi arr re:	Waste Description (including Proper Class, and ID) a. ILST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD	12. Containers truck UST's GAFB this consignment are fully roper condition for transport	13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan	Lynn k tity 14. Uni cu/y	it 15. Waste Code 7d N/A BY-RM e by shipping name and licable federal and state Date 6 SEP 944
11. G. 16. Gi arr re; 17.	Waste Description (including Proper Class, and ID) a. \(\subseteq \subsete	truck UST's GAFB this consignment are fully roper condition for transport Signa	and accurately don't by highway acture Last Market	Lynn k tity 14. Uni cu/y	Inight it 15. Waste Code od 1//A e by shipping name and licable federal and state Date 6 SEP 94 Date 9-694
11. G. 16. Gi arr re: 17.	Waste Description (including Proper Class, and ID) a. LST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	12. Containers truck UST's GAFB this consignment are fully roper condition for transport	and accurately don't by highway acture Last Market	Lynn k tity 14. Uni cu/y	it 15. Waste Code 7d N/A BY-RM e by shipping name and licable federal and state Date 6 SEP 944
11. G. 16. Gl arree 17.	Waste Description (including Proper Class, and ID) a. LLST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	12. Containers truck UST's GAFB this consignment are fully roper condition for transposition for tra	13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan	Lynn k tity 14. Un cu/y 2-SPA-0 escribed above cording to appl	it 15. Waste Code 7d N/A e by shipping name and licable federal and state Date 6 SEP 94 Date Date Date
11. G. 16. Gl arree 17.	Waste Description (including Proper Class, and ID) a. LST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	truck UST's GAFB this consignment are fully roper condition for transport Signa	13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan 13. Total Quan	Lynn k tity 14. Un cu/y 2-SPA-0 escribed above cording to appl	Inight it 15. Waste Code od 1//A e by shipping name and licable federal and state Date 6 SEP 94 Date 9-694
11. G. 16. Gi arree 17. 18.	Waste Description (including Proper Class, and ID) a. LST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space Discrepancy Indication Space	truck UST's GAFB this consignment are fully roper condition for transport Signal Signal	and accurately dort by highway acture Last Ontary Ture	Lynn k tity 14. Uni cu/y	it 15. Waste Code 7d N/A 15. Waste Code 7d N/A 15. Waste Code 7d N/A 15. Waste Code 7d N/A 15. Date 6. SEP 94 Date Date 6. SEP 94 Date Date
11. G. G. Gi arre 17. 18.	Waste Description (including Proper Class, and ID) a. ILST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space Facility Owner/Operator: Certification of receipt of petroleum-surface in the contents of the contents o	12. Containers truck UST's GAFB this consignment are fully roper condition for transport Signal Signal Signal	and accurately don't by highway acture Last Market	Eynn k tity 14. Uni cu/y	it 15. Waste Code 7d N/A e by shipping name and licable federal and state Date SEP 94 Date Date Od in Item 20.
11. G. G. Gi arre 17. 18.	Waste Description (including Proper Class, and ID) a. LST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space Discrepancy Indication Space	12. Containers truck UST's GAFB this consignment are fully roper condition for transport Signal Signal Signal	and accurately don't by highway acture Last Market	Eynn k tity 14. Uni cu/y	it 15. Waste Code 7d N/A e by shipping name and licable federal and state Date SEP 94 Date Date Od in Item 20.

TNRCC-0332 (10-15-93) White Original Yellow - ST Facility Pink - Transporter Blue - Generator's first copy

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G. 😘 🚉 🦲
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.) A A A A
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

翻去,其军地位于 医生动性 医抗压缩剂

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21.- Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14.....

US mode the setten as injury to restrict yell between consequences galaximus and its injury to nor solidas. The normalist settent the completed original (white) copy to the GENERATOR at the address shown in 3 or Tubble 1.



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID No.	2. Page 1 of	
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	Bob Murr	В.	State Affidavit Document Nº 74552 Generator's Facility ID No.	2
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666		C .	Generator's Tank Owner	ID No.
6. Generator's Facility Phone (210) 921-0962	Bob Murr	ay	Albert State	
7. Transporter 1 Company Name and Address PWI 2700 WILSON AMARILLO TX 79103	ings Trumper gen		Transporter's Phone 806-373-5826 Contact Person:	
8. Transporter 2 Company Name and Address	3 4 2 4 3 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5		. Transporter's Phone	
,	in and the second of the secon	nari i i i i i i i i i i i i i i i i i i	Contact Person:	
New B			(210) 625-7894 Contact Person: Lynn Knight	:
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity	14. Unit 15. Was	te Code
a UST Soil	truck	19 405	cu/yd ///A	
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of the second Handling Instructions and Additional Information 16. Special Handling Instructions and Additional Information		· i0-350-S1	PA-OX-RM	
GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in p regulations.	this consignment are fully proper condition for transp	and accurately desc ort by highway accord	ribed above by shipping nar ding to applicable federal an	me and nd state
are classified, packed, marked, and labeled, and are in all respect in p	proper condition for transp	ort by highway accord	ding to applicable federal an	nd state
are classified, packed, marked, and labeled, and are in all respect in pregulations. 17 Printed/Typed Name	proper condition for transp	ture Bot Mun	ding to applicable federal an	nd state
are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for—DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name OUT 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	DO L Signal	ture Author Mure Mure	ding to applicable federal an	nd state
are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for—DOD 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space	DOZ Signal Signal Signal	ture Augustian	ding to applicable federal an	d state

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G 🔆 🕔 🗸
- Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

and which is a first file of

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14...

A CONTRACTOR OF THE PROPERTY O

Fubling Connections and Cerustection of renergy of the research subsect of connections of the edition in Georgian Transfer of the

Cart D Joursey Kendikki

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3. 10 Match 19



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPS	T ID No. or ST ID No.	2. 1	Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	Bob Mur	-	A. State Affidavit Nº 7 3. Generator's Fa	4553
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666	et .	est of the second	· · · · · · · · · · · · · · · · · · ·	
6. Generator's Facility Phone (210) 921-0962	Bob Muri	ray	and see that	
7. Transporter 1 Company Name and Address PWI 2700 WILSON AMANIIIO TX, 79/03		un in the state of	D. Transporter's P 806-37. Contact Perso Perry W	<i>3-5820</i> n:
8. Transporter 2 Company Name and Address	47 4		E. Transporter's F	
		as in the contract of the cont	Contact Perso	4
Kohlen New Br	County Landfil berg Lane #2 aunfels, Texas		F. Facility's Phon (210) 625 Contact Perso Lynn Knig	–7894 n:
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity		15. Waste Code
a. U.ST Soil	truck	1344	cu/yd	NA
b.				
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	UST's GA	CB-10-350-	SPA-OX-	RM
16. Special Handling Instructions and Additional Information				an application
GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations.	this consignment are ful roper condition for trans	ly and accurately des port by highway acco	cribed above by sirding to applicable	hipping name and efederal and state
17. Printed/TypedName U.S. Army Corps of Engineers for DOD	DOL Sign	Basno.	panjided Panjided	CSEPSY
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI	Sign	lature)	Januari terrangan kananan	Date 9- 4-54
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		ature 11 A - 11 Villean		Date
20. Discrepancy Indication Space	The Bill Berger			3
	ومجالها احجاز ومهارا ع	1 Participant in the state of	what community is a	A professional and a second
21. Facility Owner/Operator: Certification of receipt of petroleum-su Printed/Typed Name (1987) 1980 1981 1981 1981 1981 1981 1981 1981	bstance wastes covere	ed by this affidavit exc	cept as noted in It	em 20.

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12: Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- .21... Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14.

A Copyright is partially and the process of the process of the process of the copyright of the GENERATOR at the address shown in 3, with partial Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3, with partial 4.

Consider the second and the second a



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPS	T ID No. or ST ID N	o.	2. F	Page 1 of
3.	Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402			N	2 7	7 4 5 5 4 acility ID No.
	Generator's Phone (210) 921-0962	Bob Mur	ray	b. Gene	10.01516	iomy io No.
5.	Generator's Facility Name, Contact Person, and Physical Address		l			•
	Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666			C. Gene		ank Owner ID No.
6.	Generator's Facility Phone (210) 921-0962	Bob Mur	ray	*	* . *	
7.	Transporter 1 Company Name and Address PWI 2700 Wilson		2 av	. •	6-31	73-5820
				A	ct Perso	
-	AMARINO TX: 79/03 Transporter 2 Company Name and Address		ruh pe helius ili ili	E. Trans	norter's D	/// <i>AMS</i>
8.			sa Na industrial	I (d)13	pondi or	
			zel attatolika Janon titolika	Conta		n:
9.	Designated Facility Name and Site Address Coma 1	County Landfi	11	F. Facilit	ty's Phon	е .
	Kohlen	berg Lane #2	Ì	(210) 625	-7894
	New Br	aunfels, Texa	s 78130	Conta		
-	Facility ID Number #66				Knig	
	Marks Description (includion Descriptions and ID)	40 Containom	40 Tatal O A	· . [4 4	l lois	I 4E Marka Cada
11.	Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quanti		Unit Vad	15. Waste Code
11.	a. UST SoiL b.	12. Containers truck	13. Total Quanti		Unit 1/yd	15. Waste Code
	a UST Soil					15. Waste Code
	a. UST SoiL b. Additional Description for Materials Listed Above	truck	12	cu	ı/yd	NA
G.	a. UST Soil b.	truck	72	cυ 6/C-0,	ı/yd	NA
G.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	truck	12	cυ 6/C-0,	ı/yd	NA
G. 16.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	truck UST's GAFA	7 2 7 - 70 - 350 - 5	Cu Cu	x-Ri	N/A
G. 16.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in pregulations.	UST's GAFA	7 2 7 - 70 - 350 - 5	Cu Cu	yd	N/A
G. 16. Ga re 17.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD	UST's GAFA	/ 2 3 - / 0 - 350 - 5 Ily and accurately deport by highway acc	Cu Cu	yd	nipping name and federal and state
G. 16. Ga re 17.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD	UST's GARA his consignment are full oper condition for trans DOL Sign	Ily and accurately desport by highway accurature	Cu Cu	yd	nipping name and rederal and state Date SEPSY
G. 16. CG a nr 17.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	UST's GARA his consignment are full oper condition for trans DOL Sign	Ily and accurately desport by highway accurature	escribed ab cording to a	ove by st	N/A hipping name and federal and state Date SEPSE Date Date Date
G. 16. 17. 18.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	truck UST's GAFA his consignment are furoper condition for trans DOL Sign Sign	Ily and accurately desport by highway accurature	SPC-O.	ove by st	N/A nipping name and federal and state Date SEPSE Date Date Date
G. 16. Cantrol 17. 18.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name W.T. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space	truck UST's GARA his consignment are full oper condition for trans Sign Sign Sign	Ily and accurately desport by highway accurature	SPC - O. escribed abounding to a	x-Ri ove by si pplicable	nipping name and rederal and state Date Date Date Date
G. 16. Cantrol 17. 18.	b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space	truck UST's GARA his consignment are furoper condition for trans Sign Sign Sign Stance wastes covern	ature Ature Ature Ature Ature Ature Ature Ature Ature Ature	SPC - O	x-R/ ove by st pplicable	nipping name and rederal and state Date Date Date Date Date Date Date Date Date
G. 16. Cantrol 17. 18.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space At the Straigeness of Engineers of Materials Printed/Typed Name Discrepancy Indication Space At the Straigeness of Engineers of Peccipt of Petroleum-surface of Peccipt Operator: Certification of receipt Operator: Certification of Peccipt Operator: Certification of Peccipt Operator: Certification Operato	truck UST's GARA his consignment are furoper condition for trans Sign Sign Sign Stance wastes covern	ature Ature Ature Ature Ature Ature Ature Ature Ature Ature	SPC - O	x-R/ ove by st pplicable	nipping name and rederal and state Date Date Date Date Date Date Date Date

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter, Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in Giant 1.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.)...
- 13. Enter the total quantity of waste in this shipment from the generating site.
- Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- The authorized representative of the designated facility's owner or operator must note in 20, any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

management of the second of th

Retain the yellow copy for your records and return the completed original (white) copy to the GENERATOR at the address shown in 3 to 1984 and 1984



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPS	TID No. or STID I	No.	2.	Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	Bob Mur	ra▼	N	<u> </u>	7 4 5 5 5 acility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666		1	C. Gene	rator's T	ank Owner ID No.
6. Generator's Facility Phone (210) 921-0962	Bob Muri	ray	10, 1	•	. •
7. Transporter 1 Company Name and Address PWI 2100 Wilson	for the wa	in the second of	Conta	% −37 act Perso	3-5820 on:
8. Transporter 2 Company Name and Address	<u> </u>		E Trans	y W porters	IlliAMS
· · · · · · · · · · · · · · · · · · ·	in the last angle water. The second		Conta	act Perso	on:
New 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quan	Conta Lynn tity 14.		
a. UST soil	truck	/3		/yd	N/A
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal	of UST's Cara	10 200			
16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents	of this consignment are full	y and accurately o	lescribed ab	ove by s	hipping name and
16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents are classified, packed, marked, and labeled, and are in all respect ir regulations.	of this consignment are full n proper condition for trans	y and accurately coort by highway ac	lescribed ab	ove by s pplicable	hipping name and
16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents are classified, packed, marked, and labeled, and are in all respect ir regulations. 17. Printed/Typed Name	of this consignment are full n proper condition for trans	y and accurately coort by highway ac	lescribed ab	ove by s pplicable	hipping name and e federal and state Date
 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents are classified, packed, marked, and labeled, and are in all respect in regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DO 18. Transporter 1 Acknowledgement of Receipt of Materials 	of this consignment are full n proper condition for trans	ature	described abocording to a	ove by s	hipping name and a federal and state Date SEP 94 Date Date Date
16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents are classified, packed, marked, and labeled, and are in all respect ir regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DO 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	of this consignment are full n proper condition for trans Do L Sign Sign	ature All of the second secon	lescribed ab coording to a	ove by s	hipping name and a federal and state Date SEP 94 Date Date Date

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in Gi
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly) 334 - 21 W 124 - 14 C

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

医髓 电通讯电路

SIM said gasent was

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator. ांबर कृष्टि

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14. restricted to the reservence of percelular subclance visions covered by this affidevision to prove the initian 70 Fublik Cwale Coverton

The transfer of the second of



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's	LPST ID No. or ST ID	No.	2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	Bob	Murray	Nº	ffidavit Document No. 7 4 5 5 6 tor's Facility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666	• .		C. Genera	tor's Tank Owner ID No.
6. Generator's Facility Phone (210) 921–0962 7. Transporter 1 Company Name and Address PWT 2700 Wilson Proposition Transporter 29143				
8. Transporter 2 Company Name and Address			E. Transpo	orter's Phone
Kohler	County Lannberg Lane		(210) Contact	s Phone 625-7894 Person: Knight
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quar		
a. UST Soil	truck	. /	3 cu/	yd <i>N/A</i>
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	I E UST's ∂n	FB-10-350-	SPC-VX	-RM
GENERATOR'S CERTIFICATION: I hereby declare the contents of are classified, packed, marked, and labeled, and are in all respect in pregulations. 17. Printed/Typed Name	roper condition for			
U.S. Army Corps of Engineers for DOD	DOL	Prisono	ppny	65EP94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	e kalanda (h. 1925). Bir da saka kebada da	Signature	manericani, in ou	9-6-94
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	K KATAN POP	Signature	AMERICA	Date
20. Discrepancy Indication Space	Stiffied 100 in Oper	e pa a rigidadha a saane ka a ba a rigidadha a saane ka		entre permetales c
21. Facility Owner/Operator: Certification of receipt of petroleum-su Printed/Typed Name to searche 9/4 to 9/07/25/97/25 with a searche 9/4 to 9/07/25/97/25/97/25/97/25/97/25/97/25/97/25/97/25/97/25/97/25/97/25/97/25/97/25	ubstance wastes of ignature rights to the	overed by this affidavit	except as note	ed in Item 20. Date / / / / / / / / / / / / / / / / / / /

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example; soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).,
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

M W. SA

a爾 moli di belon as trado e e alla de valedade entranco randeren

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste..... described on the affidavit and the waste actually received at the facility.
- -21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in .13. and 14..... at the control of the



INSTRUCTIONS ON REVERSE SIDE

]	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's L	PST ID No. or ST ID	No.	2.	Page 1 of
	Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 Generator's Phone (210) 921-0962	Bob M	urray	B. G	Nº 7	t Document No. 7 4 5 5 7 acility ID No.
	Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666	s		C. G		ank Owner ID No.
6.	Generator's Facility Phone (210) 921-0962	Bob Mı	urray	_	- 94 	·
7.	Fransporter 1 Company Name and Address PWF 2700 wilson	er eg	modelija Postova	80	ansporter's F 56-37 ontact Perso	3-5820
ľ		er and and an	· .	Per	RV Wi	lliams
8.	Transporter 2 Company Name and Address	an ger∑re e tr	<u> </u>		ansporter's l	
	u e e e e e e e e e e e e e e e e e e e	i i i i i i i i i i i i i i i i i i i	er en en en en en en en en en en en en en	Ī	ontact Perso	On: 1
9.	Designated Facility Name and Site Address Coma1	County Landi	fill	F. Fa	cility's Phor	ne .
		nberg Lane #2		(2	210) 625	5-7894
10	New D	raunfels, Tex	Table 1	•	ontact Perso	
	Facility ID Number #66 Waste Description (including Proper Class, and ID)				nn Knig	15. Waste Code
		12 Containers				
		12. Containers	13. Total Quan		4. Unit	13. Waste code
	a. UST Soil b.		77	,	cu/yd	N/A
ļ 	a. UST SoiL b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	truck		2	cu/yd	N/A
ļ 	a. UST SoiL b. Additional Description for Materials Listed Above	truck		2	cu/yd	N/A
16. G	a. UST SoiL b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information	truck f UST's GAI	FB-/0-350	2 SPC	cu/yd - UX-K	N/A
16. G	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in packed.	truck f UST's GAP this consignment are proper condition for tra	fully and accurately consport by highway accignature	2 SPC	cu/yd	N/A
16. G are 17.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of e classified, packed, marked, and labeled, and are in all respecting gulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials	truck f UST's GAP this consignment are proper condition for tra	fully and accurately consport by highway accignature	2 SPC	cu/yd	N/A hipping name and a federal and state
16. Gai re 17.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	truck f UST's GAP this consignment are proper condition for tra	fully and accurately on sport by highway accident and the second	described coording to	above by sto applicable	hipping name and a federal and state Date:
16. Galre 17. 18.	a. UST SOIL b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of e classified, packed, marked, and labeled, and are in all respect in populations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	truck f UST's GAP this consignment are proper condition for tra book s	fully and accurately of the support by highway a	described coording to	above by sto applicable	hipping name and efederal and state Date Date Date Date Date Date
16. Gaire 17. 18.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of e classified, packed, marked, and labeled, and are in all respect in populations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Output Discrepancy Indication Space	truck f UST's GAP this consignment are proper condition for tra	fully and accurately consport by highway accignature	described coording to	above by sto applicable	hipping name and a federal and state Date Date Date Date
16. Gaire 17. 18.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of e classified, packed, marked, and labeled, and are in all respecting gulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space Facility Owner/Operator: Certification of receipt of petroleum-s Printed/Typed Name	truck f UST's GAP this consignment are proper condition for tra S DOL S ubstance wastes cov	fully and accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of a second by this affidavit	described coording to	above by slate applicable	hipping name and efederal and state Date Date Date Date Date Date Date
16. Gaire 17. 18.	a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of e classified, packed, marked, and labeled, and are in all respect in pigulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space Facility Owner/Operator: Certification of receipt of petroleum-s	truck f UST's GAP this consignment are proper condition for tra S DOL S ubstance wastes cov	fully and accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of ansport by highway accurately of a second by this affidavit	described coording to	above by slate applicable	hipping name and efederal and state Date Date Date Date Date Date Date

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G. χ
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

11 11 2000 6 6

New Property of the Section of the Con-

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

一大生人

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

and the state of the section of the

Purished potential supplies the Complete design of the complete original (white) copy to the GENERATOR at the address shown in 3.

.....



Please type or print. (Form designed for use on elite/12 -pitch type	ewriter.)		·	INSTR	UCTIONS	ON REVERSE SIDE
PETROLEUM-SUBSTANCE WASTE AFFIDAV		ator's LPST	ID No. or ST ID N	lo.	2.	Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Towas 75052-2402	393Eal	in B.	78241		N2 .	t Document No. 7 4 5 5 8 Facility ID No.
4. Generator's Phone (210) 921-0962	E	ob Muri	ay	ı		i
5. Generator's Facility Name, Contact Person, and Physical Ad Former Gary AFB 1801 Airport Drive	ddress			C. Ge	nerator's T	ank Owner ID No.
San Marcos, Texas 78666	_					
6. Generator's Facility Phone (210) 921-0962	E	ob Murr	·ay			
7. Transporter 1 Company Name and Address PWI 2700 Wilsow				406	nsporter's	5820
		-	ŕ	A	ntact Perso	
AMARILO TX, 79103	· · · · · · · · · · · · · · · · · · ·		11.,.			LLIAMS
8. Transporter 2 Company Name and Address		٠.	<i>;</i>	E. Ira	nsporter's	Phone
	. :			Coi	ntact Perso	on:
Designated Facility Name and Site Address Co	mal County	Landfi1	1	F. Fac	ility's Pho	ne
	hlemberg La			(2	10) 625	5-7894
	w Braunfels	, Texas	78130	Coi	ntact Perso	on:
10. Facility ID Number #66					nn Knig	
11. Waste Description (including Proper Class, and ID)	12. Conta		13. Total Quant	,	. Unit	15. Waste Code
a. UST 301L	truck		13		cu/yd	IV/A
G. Additional Description for Materials Listed Above JP4 contaminated soil from remova	1 of UST's	6 AFE	B - 10-350-	- 5PÉ	-0x-	-Rnn
16. Special Handling Instructions and Additional Information			· .		-	
GENERATOR'S CERTIFICATION: I hereby declare the conte are classified, packed, marked, and labeled, and are in all respe regulations.						
17. Printed/Typed Name U.S. Army Corps of Engineers for	DOD 606	Signa	ature Bos On e	PPA	, 6	Date SEP GY
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PW I	* :	Signa	the factor of) <u>.</u>	Date 7 SEP94
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Acknowledgement of Receipt of Materials Printed/Typed Name Acknowledgement of Receipt of Materials		Signa	iture /	1		Date
20. Discrepancy Indication Space	en en en en en en en en en en en en en e	Truncia.	was not been as	restation.		
21. Facility Owner/Operator: Certification of receipt of petrols Printed/Typed Name 15 464 (but in the content of the content	eum-substance wa	stes covere				em 20.
Comal County Landfill	Acm	17/	night	<u> </u>	9	7-94
TNRCC-0332 (10-15-93) White Original Yellow-ST Fac	Hite Pink Tran	sporter	Blue - Generator	first con	NAMES INC.	ACCOMPANIENCE SE CONTRACTOR DE LA CONTRA

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.;
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.)
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

1-1-1

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

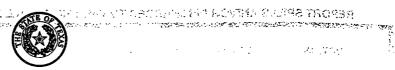
Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

and the compact contraction of the second of the contraction of the co



INSTRUCTIONS ON REVERSE SIDE

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPST	ID No. or ST ID No.		2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 4. Generator's Phone (210) 921-0962	Eglind Y AFB. Antonio To Bob Murr	78241 B.	Nº	7 4 5 6 0 's Facility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666			Generator	's Tank Owner ID No.
6. Generator's Facility Phone (210) 921–0962 7. Transporter 1 Company Name and Address WI 2700 Wilson AMARIIIO TX, 79/03 8. Transporter 2 Company Name and Address	Bob Murr	D. Fe	Transporte OG-373 Contact Pe RRV IN Transporte Contact Pe	erson: ////AMS orsPhone
Kohlen	County Landfil berg Lane #2 aunfels, Texas		Facility's P (210) 6 Contact Pe	525-7894 erson:
11. Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quantity	14. Unit	15. Waste Code
a. U.ST Soil	truck	12	cu/yd	NA
b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of 16. Special Handling Instructions and Additional Information	UST's GAFB	- 10-350-591	E-0x-k	m
GENERATOR'S CERTIFICATION: I hereby declare the contents of the are classified, packed, marked, and labeled, and are in all respect in proregulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD	oper condition for transp	ort by highway accord	ing to applic	
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWT 19. Transporter 2 Acknowledgement of Receipt of Materials	Signa	DE POR)	Date 9-7-94 Date
Printed/Typed Name 20. Discrepancy Indication Space	Julia			
Comal County Landfill	idature CMN	d by this affidavit exce		in Item 20. Pate 1 _ 7 _ 9 4

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) Identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example; soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.)
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

 $\langle \langle \chi \chi \rangle \rangle$

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14, were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

1. INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Gamp Wisdom Road Grand Prairie, Texas 75052-2402 SAN ANTONIO TO 78341 4. Generator's Phone (210) 921-0962 5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666 6. Generator's Facility Phone (210) 921-0962 7. Transporter 1 Company Name and Address PWT 2700 WILSON AMARILO TX. 79103 A. State Affidavit Docum No. 2745 B. Generator's Facility III C. Generator's Facility III D. Transporter's Phone 806-373-59 Contact Person: Person: Person: Person:	61 DNo. wher ID No.
Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666 6. Generator's Facility Phone (210) 921–0962 7. Transporter 1 Company Name and Address PWT 2700 Wilson AMARILO TX. 79103 C. Generator's Tank Ow Bob Murray D. Transporter's Phone 806-373-59 Contact Person: PERRY Willing	120 145
7. Transporter 1 Company Name and Address PWT 2700 WILSON AMARILIO TX. 79103 D. Transporter's Phone 806-373-59 Contact Person: PERRY William	7M5
PWT 2700 Wilson Contact Person: PERRY William	1M5
AMARILIO TX. 79103 Perry Willia	ims
	· ·
8. Transporter 2 Company Name and Address E. Transporter's Phone	:
Contact Person:	
9. Designated Facility Name and Site Address Comal County Landfill F. Facility's Phone	
Kohlenberg Lane #2 (210) 625-789 New Braunfels, Texas 78130 Contact Person:	14
10. Facility ID Number #66 Lynn Knight	
	Waste Code
a. U5T 50il truck & 12 cu/yd M	A
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's CAFB-10-350-SPE-0x-R1 16. Special Handling Instructions and Additional Information	m
GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federa regulations. 17. Printed/Typed Name Signature	g name and al and state
U.S. Army Corps of Engineers for DOD DOC Beh Mussey 654	94
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PW I Signature Date of Materials Date of Materials	te 1-94
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Signature Signature	:
20. Discrepancy Indication Space	uāņu .
21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill TNRCC 0332 (10-15-93) White - Original Vellow - ST Facility Pink - Transporter Blue - Generator's first copy	

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E.If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G. 🔻 🔻
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.), 100 (100)
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."

 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

Garages services and area and basis estates and it is referrible a set in zone Ale communication development

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

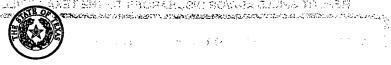
As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination:

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14.



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

I	PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator	S LPST ID No. or ST ID	No.	2.	Page 1 of
	Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 Generator's Phone (210) 921-0962)),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			7 4 5 6 2 acility ID No.
	Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666			C. 6	Generator's Ta	ank Owner ID No.
6.	Generator's Facility Phone (210 921-0962	Bob	Murray			
7.	Transporter 1 Company Name and Address PW T 2700 Wilson			6	Contact Perso	<i>3.5</i> 820 n:
_	AMARILLO TX. 79/03				RRV v/	
8.	Transporter 2 Company Name and Address				Contact Perso	
	Kohlen New Br	County Land berg Lane caunfels, T		(Facility's Phon 210) 625 Contact Perso	-7894
10.	Facility ID Number #66	,	· · · · · · · · · · · · · · · · · · ·	L	ynn Knig	ht
11.	Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quar	tity	14. Unit	15. Waste Code
	a. UST Soil	truck	F 1	3	_cu/yd_	NA
	Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information	UST's <i>GA</i>	FB-10-350-51	r-0,	×-RM	
a	ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in progulations.	this consignment roper condition for	are fully and accurately of transport by highway ac	lescribe	ed above by si g to applicable	hipping name and federal and state
17.	Printed/Typed Name U.S. Army Corps of Engineers for DOD	DOL	Signature Sod My	m	·	Date 656194
18.	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI		Signature Signature	Q		Date 9
19.	Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature			Date
20.	Discrepancy Indication Space			.i.		
21.		ubstance wastes o	covered by this affidavit	except	as noted in Ite	em 20.
	Comal County Landfill	Cypul y	malit		19-	7-94

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

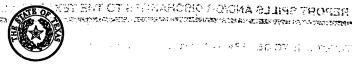
As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.



Please type or print. (Form designed for use on elite/12 -pitch typewriter.)

INSTRUCTIONS ON REVERSE SIDE.

CONTRACTOR OF A SECTION OF LANGUAGE

entitle of the control of the control of the control of the second of the control

PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPS	T ID No. or ST ID No.		2. Page 1 of
3. Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 Spar 4. Generator's Phone (210) 921-0962	3 Eglin V A.F.B ANTENIO TX- 7 Bob Mur	8241 E	Nº	7 4 5 6 3 or's Facility ID No.
5. Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666			C. Generat	or's Tank Owner ID No.
6. Generator's Facility Phone (210) 921-0962	Bob Mur	ray		
7. Transporter 1 Company Name and Address PWT 2700 Wilson			806-3 Contact	
AMARIIIO TV. 79103 8. Transporter 2 Company Name and Address		//	Transpo	Williams rter's Phone
			Contact	
Kohlen	County Landfi berg Lane #2 aunfels, Texa		.Contact	625-7894
	12. Containers	13. Total Quantity		
11. Waste Description (including Proper Class, and ID)	truck	F 12	cu/y	
a. U.5 1 30 11 b.		7	1 ,	10/14
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of	UST's SAF6	: jo-350-5'Fl	r-0×-R	м :
16. Special Handling Instructions and Additional Information				
GENERATOR'S CERTIFICATION: I hereby declare the contents of t are classified, packed, marked, and labeled, and are in all respect in pr regulations.	oper condition for trans	port by highway accor		
17. Printed/Typed Name U.S. Army Corps of Engineers for DOD	Doc	Part ON UR	ray	Date 6 SED 9 4
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name P.W. I	Sign	adure 7		Date 758794
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Sigf	ature		Date
20. Discrepancy Indication Space				
· · · · · · · · · · · · · · · · · · ·	ibstance wastes cover greature	ed by this affidavit exc	ept as note	d in Item 20. Date
Comal County Landfill	your The	alt		4-1-44

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

North Tollar

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18 18 P

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

P.O. Box 13087 Austin, Texas 78711-3087



Pleas	e type or print. (Form designed for use on elite/12 -pitch typewrite	(r.)		INSTRUCT	IONS ON REV	VERSE SIDE.
P	ETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPS	TID No. or STID N	lo.	2. Page 1	of
	Generator's Name, Contact Person, and Mailing Address DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402 Generator's Phone (210) 921-0962	343- Estav Kelly AIFB SAN ANTONIO BOD Muri	- 2	N:	ffidavit Docum 7 4 5 ator's Facility II	64
5.	Generator's Facility Name, Contact Person, and Physical Addres	ss ·				
	Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666			C. Genera	itor's Tank Ow	ner ID No.
6.	Generator's Facility Phone (210) 921-0962	Bob Muri	ray			
	Transporter 1 Company Name and Address PWT 2700 Wilson AMARILLO TX, 79/03			806- Contac Perry	orter's Phone - 373-5 t Person:	1820 MS
	Transporter 2 Company Name and Address			Contac	orter's Phone t Person:	
	Kohle	County Landfi enberg Lane #2 Braunfels, Texas		Contac	's Phone 625-789 t Person: Knight)4
11.	Waste Description (including Proper Class, and ID)	12. Containers	13. Total Quant			Waste Code
	a. U.ST Soil	truck	F 1.	2 cu/	yd N	A
	b.					
	Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information	of UST's GAFB	:10-350-51	0F- 0K-	RM	
	epotati isinding moddono ano radinoma mormanom					
an	ENERATOR'S CERTIFICATION: I hereby declare the contents of a classified, packed, marked, and labeled, and are in all respect in gulations.	of this consignment are full proper condition for trans	ly and accurately do port by highway acc	escribed abo cording to app	ve by shipping plicable federa	name and al and state
17.	Printed/Typed Name U.S. Army Corps of Engineers for DOI		ature M	PRACY	Dat 6SE	PAY
18.	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI	Sign	ature/	urd	S 9.	2-9
19.	Transporter 2 Acknowledgement of Receipt of Materials	Sign	ature /		Dat	e
	Printed/Typed Name					
20.	Printed/Typed Name Discrepancy Indication Space		·			
21.	Discrepancy Indication Space Facility Owner/Operator: Certification of receipt of petroleum-	substance wastes covere		except as not	ed in Item 20.	

But I was been a tribular

REPORT SPILLS AND/OR DISCHARGES TO THE TEXAS SPILL RESPONSE CENTER AT 512/463-7727 (24 HOURS)

INSTRUCTIONS TO GENERATOR (Please type or print clearly)

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
 The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.

Austin, Texas 78711-3087



FOR HIS TO LESS AND THE SAME ASSESSED AND SHOP OF THE SAME TO THE SAME TO SAME ASSESSED AND SAME ASSESSED.

Please type or print. (Form designed for us	e on elite/12 -pitch typewriter.	<u> </u>		INSTRUCTIONS	ON REVERSE SIDE.
PETROLEUM-SUBSTANCE V	VASTE AFFIDAVIT	1. Generator's Li	PST ID No. or ST ID		Page 1 of
3. Generator's Name, Contact Person, a DOD (FUDS) c/o U.S. Army Corps 701 Camp Wisdom Road Grand Prairie, Texas 4. Generator's Phone (210) 921-0	of Engineers K l s 75052-2402	93 Eglin elly AiFiB an Antonic Bob Mu		A. State Affidav NO B. Generator's F	74565
			IIIay	l	
5. Generator's Facility Name, Contact F	erson, and Physical Address			ŀ	
Former Gary AFB 1801 Airport Drive San Marcos, Texas	78666			C. Generator's	Fank Owner ID No.
6. Generator's Facility Phone (210)	921-0962	Bob Mu	ırray		
7. Transporter 1 Company Name and Ar PWT 2700 Wilson	. .			Contact Pers	3 5820 on:
AMARILLO TX	.79/03		<u> </u>	PERRY 4	Villiams
8. Transporter 2 Company Name and A				E Transporter's Contact Pers	
Designated Facility Name and Site A	Kohler	County Landf berg Lane #2 aunfels, Tex		F. Facility's Pho (210) 62	5-7894
10. Facility ID Number #66	New Bi	aumiers, ier	.0130	Contact Person	
11. Waste Description (including Proper	Class, and ID)	12. Containers	13. Total Quan	ntity 14. Unit	15. Waste Code
a. UST Soil		truck	FI	3 cu/yd	NIA
b.					/
G. Additional Description for Materials L	sted Above				-
JP4 contaminated soi	1 from removal of	IIST's CAFA	2 . 10 . 25 / ·· C	PF-NY-PM	
16. Special Handling Instructions and Ad		OBI S GAIL) /th/336 3	77 OX X17	
GENERATOR'S CERTIFICATION: The are classified, packed, marked, and labe regulations.					
17. Printed/Typed Name U.S. Army Corps of H	Ingineers for 190 8		gnature BsQ	Duspay	Date 6 1 1 4 9 4
18. Transporter 1 Acknowledgement of R Printed/Typed Name	eceipt of Materials	Si	gnature L	al	Date 9- 7-94
Transporter 2 Acknowledgement of R Printed/Typed Name	eceipt of Materials	Si	gnature		Date
20. Discrepancy Indication Space			· · · · · · · · · · · · · · · · · · ·		·
Printed/Typed Name		gpeffure /		except as noted in I	. /
Comal County Landfil	1 /	Lenn F	I . II .	10	1-1 1/11//

1.83f : N

30 Nov. 2

 $\nabla = 1$

INSTRUCTIONS TO GENERATOR (Please type or print clearly)

- 1. Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- 4. Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address. Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner.
- 6. Enter the phone number of the generating facility.
- 7. Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.).
- 13. Enter the total quantity of waste in this shipment from the generating site.
- 14. Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.

Six

17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway."
The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14. were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20. any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13. and 14.



PETROLEUM-SUBSTANCE WASTE AFFIDAVIT 3. Generator's Name, Contact Person, and Malling Address DIDD (FUDS) 1. Contact Person, and Malling Address DIDD (FUDS) 2. Col. S. Army Corps of Engineers 393 Eq. (1) 3. Generator's Name, Contact Person, and Malling Address Prof. Contact Person. 3. State Address Prof. Contact Person, and Malling Address Person. 3. Col. S. Army Corps of Engineers 393 Eq. (1) 3. Generator's Prone (210) 921–0962 5. Generator's Prone (210) 921–0962 6. Generator's Facility Name, Contact Person, and Physical Address Portmer Carry AFB 1801 Airport Drive Sam Marcos, Texas 78666 6. Generator's Facility Phone (210) 921–0962 7. Transporter's Polity Phone (210) 921–0962 7. Transporter's Polity Phone (210) 921–0962 8. Designated Facility Name and Address Put Part Part Part Part Part Part Part Par						
DOD (FUDS) C/O U.S. Army Corps of Engineers All Canapt History Road Serud Presists, Presco 75052-2402 A Generator's Facility Name, Contact Person, and Physical Address Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666 6. Generator's Facility Phone (210) 921-0962 7. Transporter I Company Name and Address PWT T-700 wilsow Arma Company Name and Address PWT T-700 wilsow Arma Company Name and Address Power Braility In Number #66 10. Facility In Number #66 11. Wasto Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAF6-10-350-5FE-0x-LM 16. Special Handling Instructions and Additional Information 17. Printing Oppositions on Materials Listed Above JP4 contaminated soil from removal of UST's GAF6-10-350-5FE-0x-LM 18. Transporter's Carrier of Engineers for BOD DL Signature Canada Parame Canada Parama		PETROLEUM-SUBSTANCE WASTE AFFIDAVIT	1. Generator's LPS	ST ID No. or ST ID N	lo.	2. Page 1 of
Former Gary AFB 1801 Airport Drive San Marcos, Texas 78666 6. Generator's Facility Phone (210) 921-0962 7. Transporter 1 Company Name and Address PWT 2.100 Wilsow Arragillo Ty, 79103 8. Transporter 2 Company Name and Address Possible Person: 9. Designated Facility Name and Site Address Comal County Landfill Kohlenberg Lane #2 New Braunfels, Texas 78130 Contact Person: 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. M. S.T. Soll. b. diditional Description for Materials Listed Above JP4 contaminated soil from removal of UST's CAFB-/0-350-SPE-ON-LAN 16. Special Handing Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state republishers. 17. Pripeoffyrad Name U.S. Army Corps of Engineers for HOD. DU. Signature 20. Discrepancy Indication Space 21. Facility Corner/Operator: Certification of receipt of Materials Printed Typod Name Date 22. Discrepancy Indication Space 23. Signature 24. Signature Date Date Date Date Date Date Date Dat		DOD (FUDS) c/o U.S. Army Corps of Engineers 701 Camp Wisdom Road Grand Prairie, Texas 75052-2402	B Eglin Ly AFB. Antonio Tx Bob Mur	<i>78241</i> ray	Nº	7 4 5 5 9
5. Generator's Facility Phone (210) 921–0962 7. Transporter's Phone 906-373-3720 Contact Person: PWT 2700 Wilsow Amarillo To, 79103 8. Transporter's Company Name and Address Property Company Name and Address Comal Country Landfill F. Facility's Phone Kohlenberg Lane #2 New Braunfels, Texas 78130 Contact Person: 10. Facility In Number #66 Lynn Knight 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. U.S.T. Soil. truck /3 cul/yd h/ft b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAF6-10-350-5FE-0x-fx 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Princed/Typed Name Date 5.	Former Gary AFB 1801 Airport Drive	a de la deservación de la deservación de la defenda de la decembra del decembra del decembra de la decembra decembra de la decembra decembra de la decembra	and the second s	C. Generat	tor's Tank Owner ID No.	
PWT 7.700 wilson Amazillo Tv., 79103 8. Transporter 2 Company Name and Address Comal County Landfill Kohlenberg Lane #2 New Braunfels, Texas 78130 Contact Person: 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) Lynn Knight 11. Waste Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAFB-10-350-SPE-ON-LM G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAFB-10-350-SPE-ON-LM GENERATOR'S CERTIFICATION: Ihereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed Typed Name U.S. Army Corps of Engineers for DOD DV Signature Date Printed Typed Name Poster Printed Typed Name Poster Printed Typed Name Poster Poster Typed Name Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Poster Typed Name Poster Typed Name Poster Typed Name Poster Typed Name Poster Typed Name Poster	6.		Bob Mur	ray		· · · · · · · · · · · · · · · · · · ·
8. Transporter 2 Company Name and Address Comal County Landfill Kohlenberg Lane #2 New Braunfels, Texas 78130 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) a. U.S.T. Soll b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAFB-/o-350 SFE-OD-LW 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed(Tryped Name U.S. Army Corps of Engineers for DOD DU Signature) Date Date Printed(Typed Name Date Signature) Date Date Date Signature Date Date Date Date Signature Date Date Date Date Date Date Date Date	7.	PWF 2700 Wilson		e e e e e e e e e e e e e e e e e e e	806 Contact	373-5820 Person:
9. Designated Facility Name and Site Address Coma1 County Landfill Kohlenberg Lane #2 New Braunfels, Texas 78130 Contact Person: Lynn Knight 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. U.S.T. Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's CAFB-/o-350-SPE-ON-RAN 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for BOD DIL Signature Signature Date Signature Date John	AMARILLO TX. 79103		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERRY V	Nilliams	
9. Designated Facility Name and Site Address Coma1 County Landfill Kohlenberg Lane #2 New Braunfels, Texas 78130 10. Facility ID Number #66 11. Waste Description (including Proper Class, and ID) 12. Containers 13. Total Quantity 14. Unit 15. Waste Code a. WST Soil b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's CAFB-10-350-5FE-0x-FAM 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: Thereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed Typed Name Army Corps of Engineers for DDD Signature Date Signature Date Phinted Typed Name Date Date Date Date Phinted Typed Name Date Da	8.					
Kohlenberg Lane #2 New Braunfels, Texas 78130 Contact Person: Lynn Knight				w at the or		
a. UST Soll truck /3 cu/yd W/a b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAFB-/o-350 SFE-ON-RM 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/TypedName Date U.S. Army Corps of Engineers for DOD DOL Signature Date Printed/Typed Name Date Printed/Typed Name Date Observable Signature Date Printed/Typed Name Date Date Date Comparison of Receipt of Materials Signature Date Printed/Typed Name Date Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date		Kohlen	berg Lane #2		(210)	625-7894
a. UST Soll truck /3 cu/yd W/a b. G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAFB-/o-350 SFE-ON-RM 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/TypedName Date U.S. Army Corps of Engineers for DOD DOL Signature Date Printed/Typed Name Date Printed/Typed Name Date Observable Signature Date Printed/Typed Name Date Date Date Comparison of Receipt of Materials Signature Date Printed/Typed Name Date Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date Comparison of Receipt of Petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Date	10.	Facility ID Number #66		1	ľ	
G. Additional Description for Materials Listed Above JP4 contaminated soil from removal of UST's GAF6-/0-350-SPE-OX-LAN 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD DD Signature U.S. Army Corps of Engineers for DOD DD Signature Date CSH94 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Date Date Date Date 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill Adm. Adm. Date D	L				Lynn l	Knight
JP4 contaminated soil from removal of UST's GAF6-10-350-SPE-ON-RM 16. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/TypedName US. Army Corps of Engineers for DOD DD Signature US. Army Corps of Engineers for DOD DD Signature US. Army Corps of Engineers for DOD DD Date Printed/TypedName Date 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Date Date Date Date Date Comal County Landfill Date	L	Waste Description (including Proper Class, and ID)	12. Containers		Lynn I tity 14. Un	Knight it 15. Waste Code
GENERATOR'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by shipping name and are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD Signature Date OSEP 9.4 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Printed/Typed Name Date Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill Comal County Landfill Comal County Landfill Comal County Landfill Date Comal County Landfill Comal County L	11.	Waste Description (including Proper Class, and ID) a. UST Soil b.	12. Containers		Lynn I tity 14. Un	Knight it 15. Waste Code
are classified, packed, marked, and labeled, and are in all respect in proper condition for transport by highway according to applicable federal and state regulations. 17. Printed/Typed Name U.S. Army Corps of Engineers for DOD DOL Signature Date (SFF 9 Y) 18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Printed/Typed Name Date 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill Administration of the complete of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Date One of the complete of the complete of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill Administration of the complete of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Date One of the complete of the complete of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill Administration of the complete of the complete of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill	11. G.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information	12. Containers truck	13. Total Quant	Lynn l	Knight iit 15. Waste Code yd NA
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name Comal County Landfill 22. Printed/Typed Name Comal County Landfill Comal County Lan	11. G.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information	12. Containers truck	13. Total Quant	Lynn l	Knight iit 15. Waste Code yd NA
Printed/Typed Name Printed/Typed Name Date Date Date Date Date Date Date Date Comal County Landfill Date Dat	11. G.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in pregulations.	12. Containers truck UST's GAF	13. Total Quant /3 6-10-350	Lynn I tity 14. Un cu/y	Knight iit 15. Waste Code yd WA o - Lw re by shipping name and
20. Discrepancy Indication Space 21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name** Accordance in the Common Standard County Landfill Comal County Landfill Common Standard County Landfi	11. G.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: Thereby declare the contents of the collaboration of the contents of the collaboration of the collaboration of the contents of the collaboration.	12. Containers truck UST's GAF	13. Total Quant /3 B-/0-350 Illy and accurately disport by highway accurately	Lynn I tity 14. Un cu/y	Knight iit 15. Waste Code yd WA a - Lan re by shipping name and dicable federal and state Date
21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name** Accordage with a HO DAMS AND String at the control of th	11. G. 16.	Waste Description (including Proper Class, and ID) a. UST SOIL b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of the classified, packed, marked, and labeled, and are in all respect in pregulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials	12. Containers truck UST's GAF his consignment are furoper condition for trans	13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 14. Separately desport by highway accurately desport by highway acc	Lynn I tity 14. Un cu/y	Knight iit 15. Waste Code yd WA O-LAN re by shipping name and licable federal and state Date (SEPGY
21. Facility Owner/Operator: Certification of receipt of petroleum-substance wastes covered by this affidavit except as noted in Item 20. Printed/Typed Name** Address of the Address of	11. G. 16. 17.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of tre classified, packed, marked, and labeled, and are in all respect in pregulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PW T Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	12. Containers truck UST's GAF his consignment are furoper condition for trans Doc Sign	13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 14. Total Quant 15. Total Quant 16. Total Quant 17. Total Quant 18. Total Quant 18. Total Quant 19. To	Lynn I tity 14. Un cu/y	Knight iit 15. Waste Code yd W/A o - Lan re by shipping name and dicable federal and state Date SEPSY Date 9 - 7-94
	11. G. 16. 17. 18.	Waste Description (including Proper Class, and ID) a. UST Soil b. Additional Description for Materials Listed Above JP4 contaminated soil from removal of Special Handling Instructions and Additional Information ENERATOR'S CERTIFICATION: I hereby declare the contents of tre classified, packed, marked, and labeled, and are in all respect in progulations. Printed/Typed Name U.S. Army Corps of Engineers for DOD Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PWI Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Discrepancy Indication Space	12. Containers truck UST's GAF his consignment are furoper condition for trans DOL Sign	13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 13. Total Quant 14. Total Quant 15. Total Quant 16. Total Quant 16. Total Quant 17. Total Quant 18. Total Quant 18. Total Quant 19. To	Lynn 1 tity 14. Un cu/y SPE-Ox escribed abov cording to app	Knight iit 15. Waste Code yd WA O - Lan re by shipping name and licable federal and state Date 6 SEP 9 4 Date 9 - 7 - 94 Date

- Enter the generator's LPST (Leaking Product Storage Tank) or ST (Storage/Treatment) identification number.
- 2. Enter the total number of pages used to complete this affidavit.
- 3. Enter the generator's name (either person or company, whichever is appropriate), and the generator's mailing address.
- Provide the name and phone number of the authorized agent of your firm which may be reached in the event of an emergency.
- 5. Enter the generating facility's name, contact person, and address: Enter the facility ID number in B. Enter the generator's tank owner ID number in C., if the generator is a tank owner. N. 18. 18. 18. 18. 18. 18.
- Enter the phone number of the generating facility.
- Enter the company name and address of the first transporter. Enter the transporter's phone number and name of a contact in D.
- 8. If applicable, enter the company name and address of the second transporter. Enter the company's phone number and name of a contact in E. If more than two transporters are used, enter each additional transporter's information on a continuation sheet.
- 9. Enter the company name and site address of the facility designated to receive the waste listed on this affidavit. Enter the facility's phone number in F.
- 10. Enter the ID number of the Designated Facility (if appropriate).
- 11. Provide the description of the type of waste (for example: soil, backfill, etc.). Additional space is provided in G.
- 12. Enter the type of container in which the waste is to be transported (for example: 14-yard dump truck, 55-gallon drums, etc.), (2), (3)
- Enter the total quantity of waste in this shipment from the generating site.
- Enter the unit of measurement for the quantity of wastes (for example: cubic yards, tons, etc.).
- 15. Enter the TNRCC waste code assigned to this shipment of wastes.
- 16. Provide any additional information regarding the wastes.
- 17. The Generator must read, sign, and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) written below the word "highway." The affidavit must be signed and dated by the first transporter in the presence of the generator. If more than one transporter is to be used, the Generator must provide additional copies for their use.

The Generator must keep the blue copy and send the remaining copies with the transporter.

INSTRUCTIONS FOR THE TRANSPORTER (Please type or print clearly)

ù. [

18. Type or print the transporter name in the first space, then sign and date in the second space provided, certifying the waste amounts in 13. and 14, were received for transport. NOTE: If you are unable to carry out the delivery of the shipment as specified, call the emergency phone number in 4. to notify the Generator.

· · ·

As the transporter, you are responsible for ensuring that all waste received by you arrives at the specified destination.

Upon delivery of the shipment, the Facility Owner/Operator is to sign for the shipment in your presence and fill in "Date Received."

Separate the pink copy and keep it for your records. Leave the remaining copies with the Facility Owner/Operator.

INSTRUCTIONS TO THE DESIGNATED FACILITY OWNER/OPERATOR (Please type or print clearly)

- 20. The authorized representative of the designated facility's owner or operator must note in 20, any significant discrepancy between the waste described on the affidavit and the waste actually received at the facility.
- 21. Enter the date received and sign in the presence of the transporter declaring receipt of the wastes and verifying the quantities in 13, and 14.

Contemporary of the contem

Paging Copper Symptomic Companies and Companies and Companies and Companies and Companies and Companies and Co

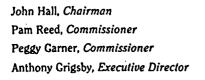
APPENDIX H:

TEXAS NATURAL RESOURCES CONSERVATION COMMISSION

UNDERGROUND STORAGE TANK (UST) CONSTRUCTION NOTIFICATION FORM

This form is provided to assist UST owners in complying with the construction notification requirements. TWC Rules, 31 TAC Chapter 334. The completion and filing of this form within the prescribed time buld satisfy these requirements.

1	TYPE OF CONSTRUCTION: (Indicat	e all that a	ooly.)			
	Installation Addition			noval	Other	(Specify) Cor	rection to
	Replacement Improveme		-	andonment	Notifi	cation filed	1-19-94
2	FACILITY LOCATION INFORMATIO		_3.	OWNER II	VFORMA	TION:	
	Facility Name: Gary Job Corps Center	_		Owner:		nt of Defens	e .
	Address/Location: P.O. Box 1108			Representa	live: Roy	ce Colley	
	San Marcos, Texas 78666					Engineer	
	County: Caldwell City: San Marc	os				Resident Off	ice
	UST Facility No. (If Known):			City/State/Z			241
	Telephone: (512) 396-6652			Telephone:	(210)	921-0961	 -
4.	UST CONSULTANT INFORMATION		5.			RINFORMAT	TION:
	Company: US Army Corps of Engineer					Villiams, Inc	
	Representative: Ed Morgan					n Stevenson	
	Address: 4204 Woodcock - Suite 24°			Address:		ox 30206	
	City/State/Zip: San Antonio, Texas					illo, Texas	79120
	Telephone: (210) 921-0961	<u> </u>		Telephone:	-		
G.	GENERAL DESCRIPTION OF PROP	OSED USI	٠ ۸ <i>۸</i>				acement
٠.	tanks and other UST system componen						
	removals. Attach information as appropriate			are process			
	*In addition to the 30-day written notification		hv 3	34 6(b)(2), the (owner shall	contact the	•
	appropriate district office 24 - 72 hours p						
		. •			•	. , , , ,	
	Remove 2-9,000 gallon UST						
	Remove 2-9,000 gallon usi	- 5 \				· 	
	Remove 2-12,000 gallon US	T's	A11 1	JST's locate	ed at Sit	e 10-350	
	7 25 00011 10	1				San Marcos,	Tx.
,	Remove 7-25,000 gallon US	o1 s/	······································	· · · · · · · · · · · · · · · · · · ·		·	
							•
	•						•
7.	SCHEDULE/DATES FOR PROPOSEI	CONSTR	יוור	"ION·		•	
<i>'</i> ·		CONSTI	<u>.oc</u>	1014.			•
	February 19, 1994						
8.	SUBMITTED BY: Perry Williams			וראם		January 1	0 1006
0.	•		-		" 	January	9, 1,999
	Title & Company: President, Per	ry Willian	ns,]	nc.			
9.	MAIL COMPLETED FORM TO: *			* * * * * *	* * * * *		
٠.	*		ГC	R TWC STA	VEE USE	ONLY	•
	Texas Water Commission *		<u></u>	IN THE STA	<u>u 1 002</u>	ONDI	•
		Data Ban	5.1	. т.	ne Notice	·	•
	Underground Storage Tank Section *						
	P.O. Box 13087, Capitol Station *						
	Austin, Texas 78711-3087 *	Remarks				····	
	*						
	•	Logged b	y: _		Date:		
	+	* * * * *	* * -	* * * * * * *	* * * * *		





TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

May 24, 1994

CERTIFIED MAIL

Mr. Stanley Burger
Department of Labor/ETA
P.O. Box 682
Arlington, VA 22216-0682

Re: Subsurface Hydrocarbon Contamination at the Gary Job Corps Center, Hwy. 21, San Marcos (Caldwell County), Texas (LPST ID No. 108133) (UST Facility ID No. 0022732)

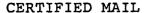
Dear Mr. Burger:

The Texas Natural Resource Conservation Commission (TNRCC) is responsible for protecting waters in the state as well as public health and safety from contamination that may result when a release occurs from a storage tank system. We have received notice of a confirmed release from a storage tank system at the above-referenced facility. The LPST ID Number 108133 has been this case and should be assigned to included Title 30, Texas Administrative Code (TAC), correspondence. Section 334.71-334.85 requires the owner or operator of a storage tank system to immediately abate any release of a regulated substance and to conduct an investigation for soil groundwater cleanup.

At this time, responsible parties may choose to proceed with corrective action or wait until directed by the TNRCC to proceed with corrective action. Please complete the enclosed LPST Action Request Form and return the form to this Office within ten (10) days from the date of this letter.

If you choose to proceed with corrective action at this time, then please refer to the enclosed Limited Site Assessment Guidance Document. We request that you contact an environmental consulting firm knowledgeable in hydrogeology and contaminant assessment to prepare a proposal for a Limited Site Assessment (LSA) which includes a description of technical tasks and a cost breakdown. The proposal must be formatted in the manner outlined in the pamphlet entitled Pre-Approval for Corrective Action Activities. Title 30, TAC, 334.310(f) requires that all corrective actions be approved in writing by the executive director prior to initiation in order for the activities to be

REPLY To: RECION 11 • 1700 S. LAMAR BLVD., BLDG. 1, No. 101 • AUSTIN, TEXAS 78704-3360 • AREA CODE 512/463-7803



Mr. Burger Page 2 May 24, 1994

eligible for reimbursement, with the exception of emergency, initial abatement measures and phase-separated product recovery. Please note that the TNRCC requires that the services of a registered Corrective Action Specialist be employed to conduct the requested assessment activities. The proposal should be provided to this Office within forty-five (45) days from the date of this letter. Upon receipt of the proposal in this Office, your case will be referred to the TNRCC Petroleum Storage Tank Division, Responsible Party Remediation Section in Austin for coordination.

Pursuant to 30 TAC Section 334.82 (b), if you determine that contamination from the release has migrated off-site, then you are required to notify the affected landowner(s). Please provide documentation that the affected landowner(s) have been notified.

your underground storage tank (UST) system permanently removed from service by having the tank(s) removed from the ground, you are required to submit permanent-removalfrom-service documentation (if not submitted previously) accordance with Title 30, TAC; 334.55. For reporting requirements, please refer to the TNRCC pamphlet entitled How to Remove Your Underground Storage Tank. (See enclosed list of pamphlets.)

If you choose to proceed with corrective action now, please be advised that, at the present time, the balance of the Petroleum Storage Tank Remediation Fund is low and therefore owners with potential cash flow difficulty may not be able to spend money until they have reasonable assurance that money for reimbursement will be available. Anyone who is willing to proceed with cleanup and is also willing to wait an extended period of time for reimbursement may proceed with corrective actions in accordance with Title 30, TAC, Subchapter D and the procedure detailed in this letter. It is currently impossible to predict when reimbursement can be made for eligible cleanup costs.

The low balance of the reimbursement fund has also affected eligibility for the State-Lead program. Recent changes to the TNRCC State-Lead program now require the responsible party to demonstrate financial inability in order to be eligible for State-Lead. Otherwise, sites will be coordinated by the Responsible Party Remediation Section as RP-Lead. You may contact the TNRCC Storage Tank Contracts Section at 512/239-2136 for financial inability demonstration requirements.



Mr. Burger Page 3 May 24, 1994

As the responsible party, regardless of your intent to proceed with corrective action activities, you remain responsible to pursue whatever actions are necessary to minimize any imminent impacts or threats to human health and safety and to stabilize the conditions caused by this release. This includes the removal of any phase-separated product. Should any emergency abatement actions become necessary at this site, you must notify the local TNRCC Regional Office immediately. Unless financial inability has been demonstrated to the TNRCC, you will be responsible for undertaking all necessary corrective actions if an emergency situation arises. Also, it should be noted that you remain liable for any third-party losses which may result from this release incident.

We appreciate your cooperation in this matter. Please note that all correspondence must include the LPST ID Number and should be submitted to both the local TNRCC Regional Office and to the Central Office in Austin. Should you have any questions, please contact Mr. Barry Kalda of my staff at (512) 463-7803 and reference the title of this letter (notice of contamination - NOC) and the assigned LPST ID Number.

Sincerely,

1

Chris Smith

Austin Region Waste Manager

BJK:bjk 108133.noc

Enclosures

cc: Mr. Chet Clarke, RPR Section, PST Division, TNRCC

Mr. Bob Murray, US Army Corps of Engineers, 393 Eglin, Kelly

AFB, Texas 78241-6135

Mr. John Stevenson, Perry Williams, Inc., P.O. Box 30206,

Amarillo, Texas 79120

Perry Williams, Inc.

P.O. Box 30206 • Amarillo, Texas 79120

WC Environmental Group Williams Contracting Williams Ditching

April 18, 1994

Texas Natural Resources Conservation Commission 1700 S. Lamar Blvd. Bldg. 1 No.1 Austin, Tx. 78704-3360

Attn: Barry Kalda Keith Otto

Re: 24 Hr. Notice of UST Removal

Dear Mr. Kalda & Mr. Otto

PWI plans to remove UST's on April 19, 1994 at the Gary Job Center site # 10-350 in San Marcos Texas

Should you have any questions, please call (806) 373-5820.

Sincerely,

Project Manager, PWI

	appendex l	
U.S.	corps of engine	ers





RETURN RECEIPT REQUESTED									
NOTICE TO PROCEED									
From	Date 3 February 1994								
Contracting Officer Fort Worth District, Corps of Engineers P.O. Box 17300	Contract No. DACA63-92-D-0047 Delivery Order No. 0008								
Fort Worth, Texas 76102-0300	Invitation No.								
То	Project and Location:								
Perry Williams, Inc. P. O. Box 30206 Amarillo, Texas 79120	UST Removal (11) at Oil Storage Area, Gary AFB, San Marcos, Texas								
the work. Your attention is invited to the contra-	In accordance with the terms of the above contract, you are hereby notified to proceed with the work. Your attention is invited to the contract provision which prescribes the time for starting and completing the work and/or delivery.								
Your attention is further invited to the Return Receipt Card which was signed by you or your representative on the date this notice was delivered by the U.S. Postal Service. The date of acknowledgement which you indicate below should agree with the card. If they differ, the date shown on the Return Receipt Card will govern in figuring contract completion time. Acknowledge receipt of the NOTICE TO PROCEED in the space provided below, and return to this office.									
to this office.	·								
⊠ The Ori	ginal								
_ □ The Oi	riginal and one copy.								
One copy of this NOTICE TO PROCEED is for yo	our record.								
	THE UNITED STATES OF AMERICA								
Enclosures	By Jane C. Key Jane C. Key Contracting Officer								
ACKNOWL	EDGEMENT								
This NOTICE TO PROCEED AND enclosures were received	O2-10-94 (Date) Title President								

SWD Form 205 (R) Rev 8 Feb 77 (Contractor must submit four copies of Invoice)

DATE SIGNATURE AND TITLE OF CERTIFYING OFFICER

Arm Approved
B No. 0704-0187
Expires Aug 31, 1992

PAGE 1 OF

lewing instr pllection of ncluring sug spor 1215 adur on Pro	ing burden for th uctions, searchin information. Sen gestions for redu Jefferson Davis ject(0704-0187), rocurement offici	g existing d comments : cing this b Highway, Su Washington,	data sources, g regarding this urden, to Washi ite 1204, Arlin DC 20503. Plea	atn bur ngt atc	den estime on Headquar on VA 222	maintai ate or a arters S 32-4302,	ning the ny other ervices, and to	oata n aspect Direct the Off	eececo of thi orate f ice of	ano co s coll or Ind Manage	ompleting a lection of formation O ement and B	no reviewing the information, perations and
CON ACT/PL	IRCH ORDER NO. 1-92-D-0047	2. DELIVERY ØØØ8	ORDER NO.	;	3. DATE 0	F ORDER. 3/94	4. REGU	ISITION 5392D-Ø	/PURCH 047-000	REQUES B	ST NO	. PRIORITY
ISSUED BY	EER DISTRICT, FTW	CODE	DACA63	7.	ADMINISTE	RED BY		CODE				
0 B 17300	5 76102-0300) -334-4409	9	See Block	6		-			8	DELIVERY FOB I DEST [X] OTHER (See Schedule) attached
CON ACTOR	Vendor Id: 20011	276 CODE	ØTSN3	FAC	CILITY COD	E		10.DELI	VER TO Ø7/15/		DINT BY	1.MARK IF BUS. IS [X] SHALL
ME AND NDDRI S	PERRY WILLIAMS.	INC.					: *	12. DIS	COUNT T			[] SMALL DIS- ADVANTAGED [] WOMEN-OWNED
	AMARILLO, TX 791	20-						13. MAI See Bl	L INVOI ock 14	CES TO)	
IN ANTONIO A 194 PODCOCK	SUITE 245	•		DI US P	PAYMENT I SBURSING O ARMY ENG O BOX 173	OFFICER/I INEER DI: 00	CESWF-RM STRICT,		CODE		JAN -	MANUALL LACKAGES AND PAPERS WITH CONTRACT OR 3RUBAUMBER
	TX 78228-1319 DAC				WORTH,					/	ارشين	fruit
DELIVERY	X This delivery to terms and c	order is is onditions o	sued on another f above numbere	Gc d c	overnment a contract.	agency o	r in acc	ordance	with a	FO1-1	M.eqr. Geog e	r, FeA Umbs.
PU! ~ASE	Reference your						f	urnish	the fol	lowing	on terms	specified herein.
NCCEPTANCE. NR IS NOW MO	THE CONTRACTOR HE DIFIED, SUBJECT T	REBY ACCEPTS O ALL OF TH	S THE OFFER RE E TERMS AND CON	PRE DIT	SENTED BY IONS SET I	THE NUM FORTH, A	BERED PU ND AGREE	RCHASE S TO PE	order a Reform ti	S IT M HE SAM	1AY PREVIOU E.	SLY HAVE BEEN
	CONTRACTOR is marked, suppl	ier must si	SIGNATURE on Acceptance a	nd	return ti	ne follo			AND TIT	E		DATE SIGNED
	IG AND APPROPRIATI 21	ON DATA/LOC	AL USE MF/QI 2142		52840030 20 08-8		3210 P43900	-284 8.215			8.00	-
ITE" NO.			SUPPLIES/SERVIC	E		20.QUAN ORDERED		21. D+ UNI	22. T	UNIT F	RICE	23. AMOUNT
Ø351	UST REMOVA OPTION YEAR AREA		ANTONIO TEXAS				- 1	EA	1.	393	37.500000	3937.50
	Site mobiliz	ation/demob	ilization								•	
Ø352	Removal, tra tank content	nsportation s	and disposal o	f.			74929	GL			Ø.240990	17760.90
same as qu	accepted by the Go	ndicate	4. UNITED STATE			an 9		,			25. TOTAL	418448.00
x. If dif	ferent, enter act pted below quanti	ual	Y: JANE C KEY				/ ONTRACTI	NG/ORDE	RING OF		29. DIFFERENCE	s
QUANTITY I	N COLUMN 20 HAS B	een .			27. SHIP.	NO.	28. D.O.	VOUCHE	R NO.		30.	
INSS ITED			CONFORMS TO TH	Ε	C 2 DAI	-TYAI					INITIALS	
	·		EPT AS NOTED	_	[] PAI [] FII	AAL .	32. FAID	BY			33. AMT VE	RIFIED CORRECT FOR
DATE I carrify t	SIGNATURE OF AU				31. PAYME	i					34. CHECK	NUMBER .
	GLEGGIL 15 CU		The Tot Payme	-	[] PAI	RTIAL					35. BILL 0	F LADING NO.

MIPR# .859.32044

SWD Lab #

Chest # 69

Temp.

CHAIN OF CUSTODY FOR QA SAMPLE

U.S. Army Corps of Engineers Fort Worth District, Fort Worth, Texas

Location: <u>Gacy AFB SQN Marcos</u>

Site: <u>10-350 + 4-351</u>

Proj. Engineer: <u>Bob Murry</u>

Phone #: <u>210-921-0961</u>

CONTAINERS

Glass	Plastic	<u>Vial</u>	Chest No.	Custody Seal#
2-1Litianber W/HCI	2 -250 mil plas	t. 4-40mliDA	1's #69	
4 - 1 Lite amble	W/11403	w/Hcl		

GAFB.10.350.03-TC/QA GAFB.4.351.04.TC/QA

PARAMETERS

	Parameter	Test Method	*
4	UDA'S W/HCI (VOA)	8240	
2	Thit amber W/HCl (TRPH)	418.1	
೩	12it.amber (SUOA)	<i>8</i> 270	
2	1Lit. amber (PCB's		
a	250ml plastic W/HNO3 / 8RCA	Ametals) 7000 SeriES	
		Exp mec. at 7470	

* Containers: [A] = Plastic [4] = Vials (4) = Amber

CUSTOIY RECORD

Busbill #	,	

APPENDIX J: MISCELLANEOUS CORRESPONDENCE

April 14, 1994

Donnie White Project Manager Perry Williams, Inc. P.O. Box 30206 Amarillo, TX 79120

Dear Mr. White

Per your request, the San Morcos Municipal Airport hereby authorizes your Mr. Walter Carlock to act as our representative to sign those transportation manifests required to accomplish the underground storage tank removal/remediation/corrective action in accordance with your contract with the U. S. Corps of Engineers.

Sincerely

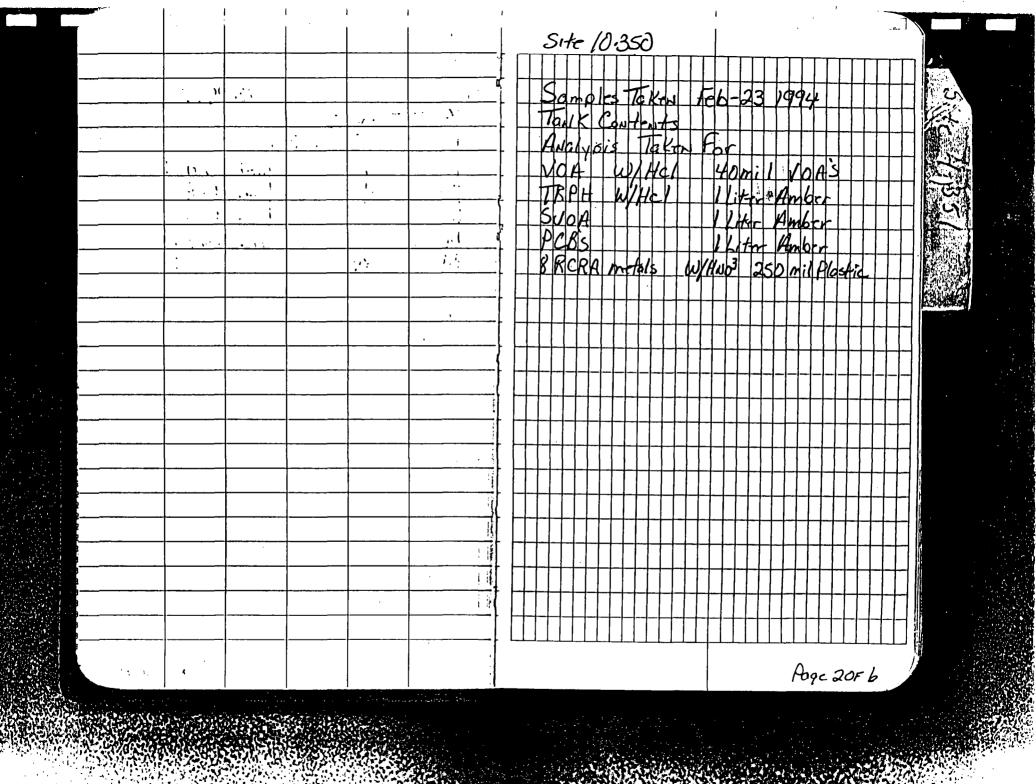
JACK DOUGHTY \
Airport Manager

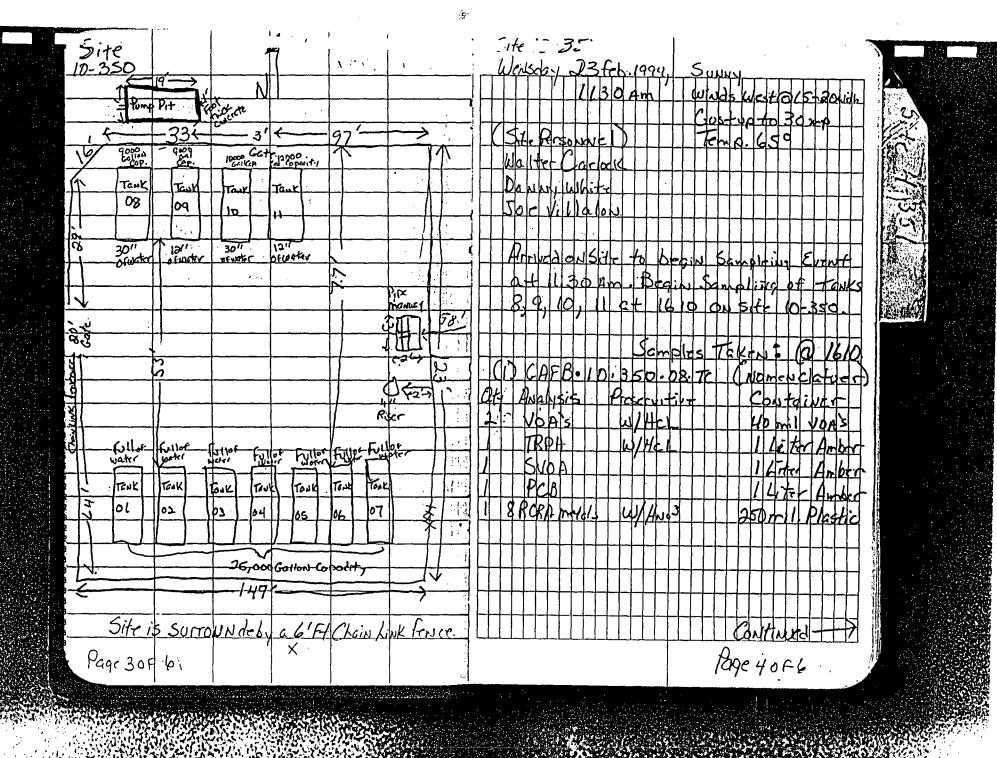
APPENDDX IX:

XEROX COPIES OF FIELD SITE BOOK

AGE NO.	DECEDENCE	DATE
	REFERENCE	DATE 2-23-94
166	Chronilogical Events of the Semple au OF TENKS SIL 10-330	2-2494
i i		
<u>-</u>		
<u></u>	· · · · · · · · · · · · · · · · · · ·	
	<u> </u>	
		<u> </u>
 -		
	1 85 91 T	
 		<u> </u>
	\	

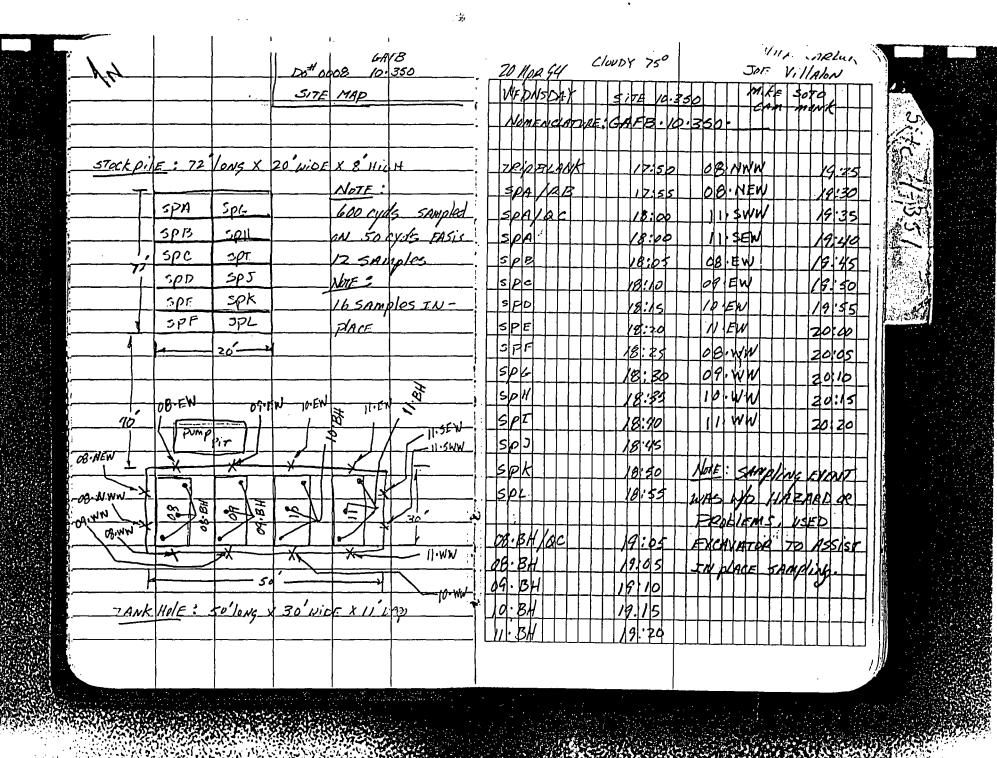
	F	ام	Ь		2	3		19	70) }_	ł		L	ر م{	d	١.						1 '	١:	3	50) 1	A.	•			ě.	
	Ŋ		الم				7		h			م						Γ			Γ	ľ	Γ	ſ	Ĭ	Γ	Ϊ	Ť]	-
	U	a	1	ł	c	Y			a				ے	ー く								T	T	Γ	1		T	ŀ	<u> </u>	T	1	i
		0	7	-1	V				a.													<u> </u>		r	-	T	T	T	T	T		
	Ĭ		٦	7		`	٦	İ	•	•)	4	-	-		·			-	T	l	-		-	_	T	T	t	T			
		A						_	ح	J	_		5	_		_				,	K	r	2		c	T	,	1	,	K		
		- 1	- 1	1	- 1		1	1		1 1		•		P	1	'			١.	(,	•		1			 	١				
		μ											-	<u>L</u>	•						_			,			ţ,		T	T	1	
H	7	1			ı		ין כ		_			F		1 5	ιı	L	ı	ı	ı	ı	1		4		1 -		4-	1	\dagger	\dagger	1	
		7	- 1	- 1	.					l			1		1	I	ļ	L	l	١.						j.	L	T	t	╁╌		
	7	_{1}		ام	?r							1 4		K	ı		١.	ı	Ι.	7.	4	-	2	Ι.	L	50	1	F	\dagger	-	1	
	7	9	,		ار			_						56			ŀ	1	1	1		6			ľ.	2	ť.		T	T	1	
F	\dashv		7	ν																1		4	72		Ď,	<u>ا</u>			\dagger	t	1	
	\dashv		7	e	1	Ja L	زن		7	2		1	, 1	H									2"	-	K	17	-	†	t	\vdash	1	
-	-	7		2	2	7	<u> </u>	1	1		١,			١.	ı	١.	ſ	10		ļ	2	•	-	-		Ľ		1	╁	╁		
-	7	4	1	- 1	- 1				1			1 1	ľ	d	-	1			7	 -	C	۔ ا	Ľ.	ļ	١.	4	 	t	t	T		
	\dashv	-{	7	- 1	1	- 4			li					7		<u>K</u>	7	<u> </u>	۱.				Lt.			1		ţ,		+		
H	7	-			- 1				24					<u>)</u> c				[Į .	-	C	1		1	1						1	
H	1	-	- 1	ı	- 1	٠.	- 1	1	. 1	'	۱ ـ ۱	1	1	<u>ری</u>	1	١,	1	ì	1	۲,	hu L		1		K	ì	1	1	1	4	١,	
-	\dashv	-	1	7	1	,		[]						<u>ر</u> د د	1	1	1	1 -	1. ⁻	i —	1	i-	1	1	1	6	i .	1	1	-		
H		-	П	_ [년						23	5	4	S	1	I.	1	-	Cr.	C							7	rs	-	+	1	
\vdash	-	-	\dashv		n	4			4	ı	1	<u>Б</u>	,	٩.	7	1	T	<u>p.</u>					١.						١,	+		٦
-	\dashv	\dashv	\dashv	<u>5</u>	2	*								i			7	-	ı.	•	e			<u>ן</u>	1	p _r	1	1	K	3	1	٦
	\vdash	-	-	4	٤	للـــ	7	2	u	0	J	L	-	<u>ر</u>	27	<u> </u>	.1	-		۲	\$1			1		-	┰	т-	7-	+	1	7
\vdash	-	\dashv	4	4	Cir	Lk	_	ا ا	54	دية		ρ_	2	d	1	1	d	<u> </u>	_	ν	-	1	3	צ			۴.	p	+	<u></u>		1
L	Ш		_]	8)		5.1	0	Ш		C ₁	-	Þi	Y		0		§S	C	9	į٠	10	L.	7	61	UK	15	1/) -	γ-	1,4	15,	لـ
				Ġ	1	-	5	·	4	• (4	!_	3	51)								2		/	91	C	/.				_





· Site 10.350 PageSof 6

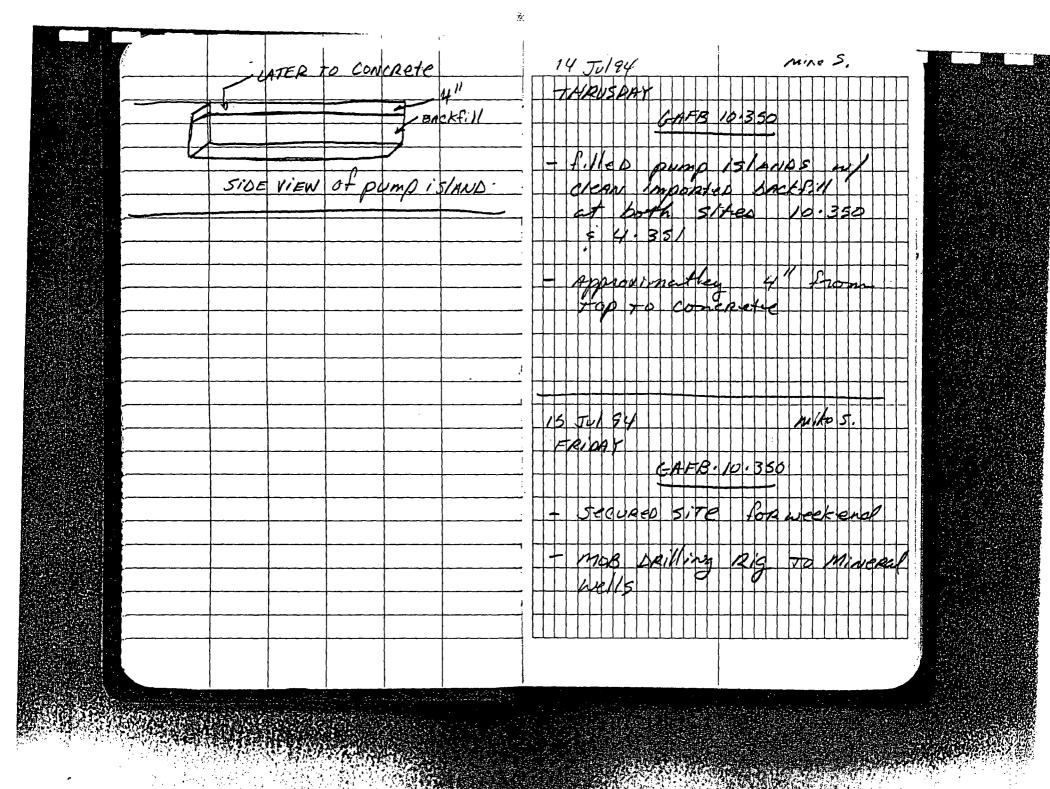
SUNNY 85 \$1170 TOB FENCE A •---80



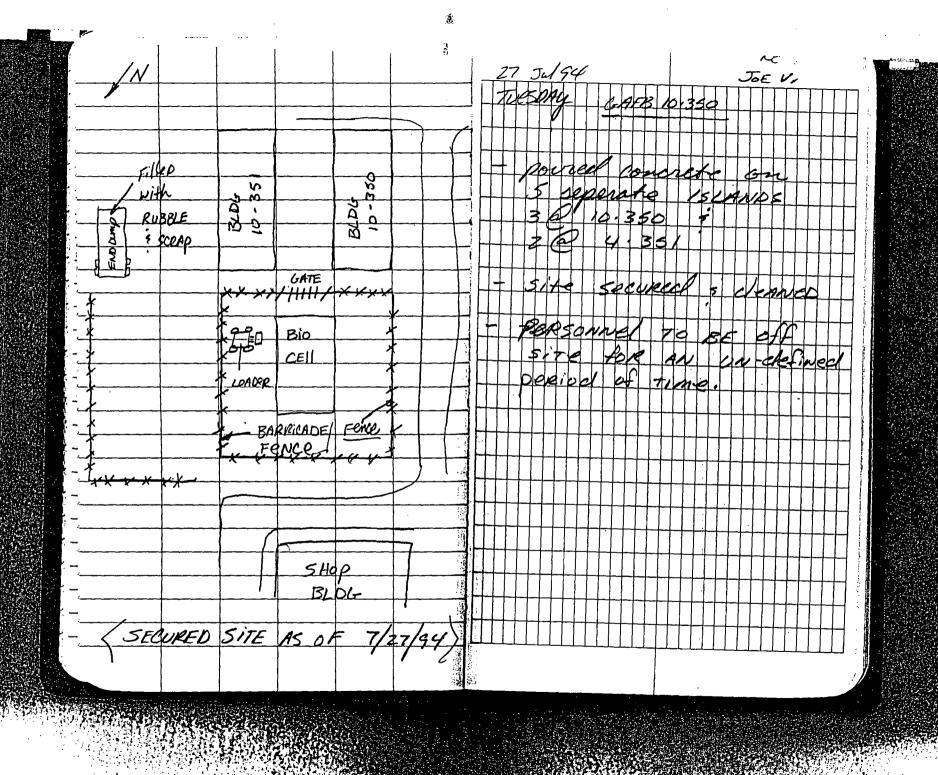
	JUN 10	100 110K		/	mike s	<u> </u>	: 			·	- 1 - 1				1 1		<u> </u>						Y
	TRIDAY						<u> </u>					$\perp \downarrow$		\coprod								֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	
		6.11.	FR 10.3	50			4		1		$\perp \downarrow$	11	\coprod	Ш									U.
	· · · · · · · · · · · · · · · · · · ·						4		4								Ш				Ш	<u>[</u> [12
	- STOCK	pile p	מיינאל	w Vis	QUENC		_ _ _	_ _			- -	$\perp \mid$				$\perp \mid$].	
- Z	. AS S	HOWK	ON PREL	ious pa	(FE				_		4	4				Ш]],	
LACKON]	44	_	$\bot\!\!\!\!\bot$	44			\coprod			$\perp \mid \perp \mid$			\perp	Ш		U.
art are	- 5AMP	E5 7/	Ken 7	0_LAB		ļ <u></u>	<u> </u>	$\perp \downarrow \downarrow$	_ _	$\perp \! \! \perp$	$\bot \bot$	$\bot \bot$					Ш						
by &	,						<u>}- -</u>	_ _															
-6	- SITE	SECUR	FA FOR	WEEKEN	0			$\bot \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	$\perp \! \! \perp$			$\bot \bot$											
- A/-								\perp					Ш										1
#							Ш																
					 												\prod					- 71	
																				_ -		-	\(\frac{1}{2}\)
															\prod	\prod	\Box						
								П	П		Π								11				
											П					11	11			\top		71	
		,		·····											77			\top	\top	77		7	
											\prod		\sqcap			11	11	11	11	$\top \!\!\!\!\!\top$		\exists	
						 			Π	11					11	11	11	††	++	11	1		
— —			<u>-</u>					11	11		11				\top	11	††	11	\top	11	$\dashv \vdash$	-	
***			-			1	Π	\top		11	\Box				11	††	++	$\dagger \dagger$	- - -	††	- -	41	
						-	1	++	++	++	11		+		++	$\dagger \dagger$	++	+	+	+	\dashv	4	1 4
						<u> </u>	 	1	++	++	1-1-		+			 - -		╁		+	\dashv	- -	
			ļ 			·	. 	_	_ _	_LI_	-L-L-	JJ_				LL.	_lL		_[]_			; اــ	
1							I															<i>[</i>	
		 	 		Sand Mariana	1																	

			JUN 2. 3	mine S
	XXXXXX	- X-X-	THURSDAY	TOE V
X X XXX X		1/1	HILL GATB.	0.350
			- pump git gi	(00 #aces)
8-11	pump pit		3-11 - And 1/41	SINCENT TO
TANK				
Hole	BEFORE EXCHUMITION		Vispuene à	
	CKAUATION		MISONAND A	STARTED DAGATILLE
			- Pump pit + 5700	Kailes Samples
	** *			(4/24)
**************************************	AFTER EXCAUMION	SPA.	- RESAMPLED SA	in transper
	Cantonial	SPB)	<u> </u>	
	- samples 7.	ten	- RESAMPLED SP	E-OX-RS
	BACKFilling			F:0X R\$
	BACKLILING	+	TO FIND TRUE	REPRENSTATION
SAMPLES TAKEN		:		
GAFB. 10.350.	l I		++++++++++++	
	SPA		+	
1	šρΒ			┼╎╎╎╎╎╎╎
Contrada Military	S. C. C. C. C. C. C. C. C. C. C. C. C. C.			ALONG THE STATE OF

mikes. per larmo S 5 55 v . . .



Super Buck Body Lines		24 50/94	Jot Ve	
- Sig-Fram Spics LAID Down & Completed THESE Spics Will JEAN FLYGRE - TRY TO MINISTER JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JAMES JA		5anpay		
THESE SOILS WILL THE THESE SOILS WILL THE EVOLUTE THE TO PRIVED TO PRIVATE AND ISLANDS ON SOINT WATER TO PRIVATE TO PRIVATE TO PRIVATE T		- HATT		
THESE SOILS WITH THE LUTTER IN THE LUTTER IN THE PROPERTY OF T		- Bio-rapa	50/25 44/2	
THE SHOWLED IN THE LEAR FUTURE TRUE TO MEXICUS AUTO 15LANDS DO LOGING COMPANIES IN ACE TO RESIDENCE IN ACE TO RESIDENCE OF THE PROPERTY		Potent &		
- TRE TO REVIEW TOMOROWS SUNDANCION CONTROL OF SUNDANCION CONTROL		المراجع السعاطوا الأسا	الطلاح المام	
- I Solve Wares			474 RE	
- I de la licentación de la li		- 79 70 4	esser comprexos	
- I spire was a second of the				
		* Papir		
			of Papine Vivo	
		- GRUO G		
				



APPENDIX L:

ORIGINAL LAB RESULTS / CHAINS OF CUSTODY



Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Client's Job #: D.O.0008/10-

COC #: 1743

Report Date: 02/28/94 Chemron's Job #: 3875

Date & Time Received: 02/24/94, 08:15

Date Sampled: 02/23/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Descript	ion	Sample Matrix	Date Analyzed	TRPH (PPM)
4224	GAFB-10-350-08-TC	÷	Water	02/25/94	53.
34225	GAFB-10-350-11-TC		Water	02/25/94	10.

Approved By:

Analytical Methods: TPH in Soil - 9071/418.1 and TPH in Water - 418.1

Client: Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

Client's Job #: D.O.0008/10-

COC #: 1739

Report Date: 02/28/94

Chemron's Job #: 3876

Date & Time Received:

02/24/94, 08:15

Date Sampled: 02/23/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Descri	Sample Description				
4226	GAFB-10-350-09-TC	·	Water	02/25/94	590.	
34227	GAFB-10-350-10-TC	·	Water	02/25/94	140.	

Approved By:

Analytical Methods: TPH in Soil - 9071/418.1 and TPH in Water - 418.1



Client: Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

Sample Description: GAFB-10-350-08-TC

Client's Job #: D.O.0008/10-COC #: 1743

Date Sampled: 02/23/94 Date Received: 02/24/94 Sample Matrix: Water Chemron ID #: 34224 Report Date: 03/02/94

Chemron's Job #: 3875

CHEMICAL ANALYSIS REPORT

	Parameter	Value	Units	Date Analyzed	Analytical Method
Total	Arsenic	<.042	MG/L	03/01/94	3005/6010
otal	Barium	.25	MG/L	03/01/94	3005/6010
Total	Cadmium	<.002	MG/L	03/01/94	3005/6010
_'otal	Chromium	<.003	MG/L	03/01/94	3005/6010
otal	Lead	<.021	MG/L	03/01/94	3005/6010
Total	Mercury	<.001	MG/L	02/28/94	3005/7470
'otal	Selenium	<.061	MG/L	03/01/94	3005/6010
Total	Silver	<.003	MG/L	03/01/94	3005/6010

*pproved By:

Client: Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120

> Sample Description: GAFB-10-350-09-TC

Client's Job #: D.O.0008/10-

COC #: 1739

Date Sampled: 02/23/94 Date Received: 02/24/94 Sample Matrix: Water Chemron ID #: 34226 Report Date: 03/02/94

Chemron's Job #: 3876

CHEMICAL ANALYSIS REPORT

Paramete:	r Value	Units	Date Analyzed	Analytical Method
Total Arsenic	<.042	MG/L	03/01/94	3005/6010
'otal Barium	.25	MG/L	03/01/94	3005/6010
Total Cadmium	.006	MG/L	03/01/94	3005/6010
'otal Chromiu	n .008	MG/L	03/01/94	3005/6010
Total Lead	1.8	MG/L	03/01/94	3005/6010
Total Mercury	<.001	MG/L	02/28/94	3005/7470
'otal Seleniu	m <.061	MG/L	03/01/94	3005/6010
Total Silver	<.003	MG/L	03/01/94	3005/6010

'pproved By:



Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120

Sample Description: GAFB-10-350-10-TC

Client's Job #: D.O.0008/10-

COC #: 1739

Date Sampled: 02/23/94
Date Received: 02/24/94
Sample Matrix: Water
Chemron ID #: 34227
Report Date: 03/02/94

Chemron's Job #: 3876

CHEMICAL ANALYSIS REPORT

	Parameter	Value	Units	Date Analyzed	Analytical Method
Total	Arsenic	<.042	MG/L	03/01/94	3005/6010
otal!	Barium	.53	MG/L	03/01/94	3005/6010
Total	Cadmium	.015	MG/L	03/01/94	3005/6010
otal	Chromium	<.003	MG/L	03/01/94	3005/6010
Total	Lead	.50	MG/L	03/01/94	3005/6010
Total	Mercury	<.001	MG/L	02/28/94	3005/7470
'otal	Selenium	<.061	MG/L	03/01/94	3005/6010
Total	Silver	<.003	MG/L	03/01/94	3005/6010

*pproved By:

as oft

Client: Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

Sample Description: GAFB-10-350-11-TC

Client's Job #: D.O.0008/10-

COC #: 1743

Date Sampled: 02/23/94 Date Received: 02/24/94 Sample Matrix: Water Chemron ID #: 34225 Report Date: 03/04/94

Chemron's Job #: 3875

CHEMICAL ANALYSIS REPORT

Parameter	Value	Units	Date Analyzed	Analytical Method
		<u>.</u> *		
Total Arsenic	<.042	MG/L	03/01/94	3005/6010
otal Barium	.17	MG/L	03/01/94	3005/6010
Total Cadmium	.006	MG/L	03/01/94	3005/6010
_otal Chromium	<.003	MG/L	03/01/94	3005/6010
otal Lead	1.6	MG/L	03/01/94	3005/6010
Total Mercury	<.001	MG/L	02/28/94	3005/7470
otal Selenium	<.061	MG/L	03/01/94	3005/6010
Total Silver	<.003	MG/L	03/01/94	3005/6010

N. Oldham pproved By:



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

03/04/94

Chemron Sample #:

34224

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.08.TC

POLYCHLORINATED BIPHENYLS ANALYSIS RESULTS

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
Aroclor 1016	5.0	UG/L	ND	02/25/94	8080
Aroclor 1221	5.0	UG/L	ND	02/25/94	8080
Aroclor 1232	5.0	UG/L	ND	02/25/94	8080
Aroclor 1242	5.0	UG/L	ND	02/25/94	8080
Aroclor 1248	5.0	UG/L	ND	02/25/94	8080
Aroclor 1254	5.0	UG/L	ND	02/25/94	8080
Aroclor 1260	5.0	UG/L	ND	02/25/94	8080

ND - Not Detected

Approved By:



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

03/04/94

Chemron Sample #:

34226

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.09.TC

POLYCHLORINATED BIPHENYLS ANALYSIS RESULTS

			Date	Test
MDL	Units	RESULTS	Analyzed	Method
5.0	UG/L	ND	02/26/94	8080
5.0	UG/L	ND	02/26/94	8080
5.0	UG/L	ND	02/26/94	8080
5.0	UG/L	ND	02/26/94	8080
5.0	UG/L	ND	02/26/94	8080
5.0	UG/L	ND	02/26/94	8080
5.0	UG/L	ND	02/26/94	8080
	5.0 5.0 5.0 5.0 5.0 5.0	5.0 UG/L 5.0 UG/L 5.0 UG/L 5.0 UG/L 5.0 UG/L 5.0 UG/L	5.0 UG/L ND 5.0 UG/L ND 5.0 UG/L ND 5.0 UG/L ND 5.0 UG/L ND 5.0 UG/L ND	MDL Units RESULTS Analyzed 5.0 UG/L ND 02/26/94 5.0 UG/L ND 02/26/94 5.0 UG/L ND 02/26/94 5.0 UG/L ND 02/26/94 5.0 UG/L ND 02/26/94 5.0 UG/L ND 02/26/94 5.0 UG/L ND 02/26/94

ND - Not Detected

Approved By:

a off



Client: Perry Williams, Inc.

2700 S. Wilson

Report Date:

03/04/94

Amarillo, Texas 79103

Chemron Sample #:

34227

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.10.TC

POLYCHLORINATED BIPHENYLS ANALYSIS RESULTS

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
Aroclor 1016	5.0	UG/L	ND	03/04/94	8080
Aroclor 1221	5.0	UG/L	ND	03/04/94	8080
Aroclor 1232	5.0	UG/L	ND	03/04/94	8080
Aroclor 1242	5.0	UG/L	ND	03/04/94	8080
Aroclor 1248	5.0	UG/L	ND	03/04/94	8080
Aroclor 1254	5.0	UG/L	ND	03/04/94	8080
Aroclor 1260	5.0	UG/L	ND	03/04/94	8080

ND - Not Detected

Approved By:



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

03/04/94

Chemron Sample #:

34225

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.11.TC

POLYCHLORINATED BIPHENYLS ANALYSIS RESULTS

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
Aroclor 1016	5.0	UG/L	ND	02/26/94	8080
Aroclor 1221	5.0	UG/L	ND	02/26/94	8080
Aroclor 1232	5.0	UG/L	ND	02/26/94	8080
Aroclor 1242	5.0	UG/L	ND	02/26/94	8080
Aroclor 1248	5.0	UG/L	ND	02/26/94	8080
Aroclor 1254	5.0	UG/L	ND	02/26/94	8080
Aroclor 1260	5.0	UG/L	ND	02/26/94	8080

ND - Not Detected

Approved By:

n affi



Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Report Date: 3/3/94
Chemron Sample #: 34224
Sample Matrix: Water
Client's Job #: D.O.0008/10-350

COC #: 1743 Date Sampled: 2/23/94

Sample Description: GAFB-10-350-08-TC

Date & Time Received: 2/24/94 08:15

CHEMICAL ANALYSIS REPORT

<u>Parameter</u>	Results	<u>Quant.</u> <u>Limit</u>	<u>Units</u>	<u>Date</u> <u>Analyzed</u>	Method
Acetone	< 0.010	0.010	mg/l	3/2/94	8260
Acrolein	< 0.005	0.005	mg/l	3/2/94	8260
Acrylonitrile	< 0.004	0.004	mg/l	3/2/94	8260
Allyl chloride	< 0.003	0.003	mg/l	3/2/94	8260
Benzene	< 0.003	0.003	mg/l	3/2/94	8260
Bromodichloromethane	< 0.003	0.003	mg/l	3/2/94	8260
Bromoform	< 0.002	0.002	mg/l	3/2/94	8260
Bromomethane	< 0.006	0.006	mg/l	3/2/94	8260
2-Butanone (MEK)	< 0.010	0.010	mg/l	3/2/94	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	3/2/94	8260
Chlorobenzene	< 0.004	0.004	mg/l	3/2/94	8260
Chloroethane	< 0.002	0.002	mg/l	3/2/94	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	3/2/94	8260
Chloroform	< 0.003	0.003	mg/l	3/2/94	8260
Chloromethane	< 0.005	0.005	mg/l	3/2/94	8260
Dibromochloromethane	< 0.003	0.003	mg/l	3/2/94	8260
1,2-Dibromo-3-chloropropane	< 0.006	0.006	mg/l	3/2/94	8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	3/2/94	8260 8260
Dibromomethane	< 0.002	0.002	mg/l	3/2/94	8260
1,2-Dichlorobenzene	< 0.005	0.005	mg/l	3/2/94	8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	3/2/94	8260
1,4-Dichlorobenzene	< 0.006	0.006	mg/l	3/2/94	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	3/2/94	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	3/2/94	8260
1,1-Dichloroethane	< 0.003	0.003	mg/l	3/2/94	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	3/2/94	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	3/2/94	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	3/2/94	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	3/2/94	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	3/2/94	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	3/2/94	8260
trans-1,3-Dichloropropene	< 0.003	0.003	mg/l	3/2/94	8260
Diethyl ether	< 0.005	0.005	mg/l	3/2/94	8260
Ethylbenzene	< 0.005	0.005	mg/l	3/2/94	8260
Ethylmethacrylate	< 0.005	0.005	mg/l	3/2/94	8260
2-Hexanone	< 0.006	0.006	mg/l	3/2/94	8260
Iodomethane	< 0.005	0.005	mg/l	3/2/94	8260
Methacrylonitrile	< 0.005	0.005	mg/l	3/2/94	8260
Methylene chloride	< 0.004	0.004	mg/l	3/2/94	8260
Methylmethacrylate	< 0.004	0.004	mg/l	3/2/94	8260
4-Methyl-2-pentanone (MIBK)	< 0.010	0.010	mg/l	3/2/94	8260
Propionitrile	< 0.010	0.010	mg/l	3/2/94	8260
Styrene	< 0.004	0.004	mg/l	3/2/94	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	3/2/94	8260



Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Report Date: 3/3/94

Chemron Sample #: 34224 Sample Matrix: Water

Client's Job #: D.O.0008/10-350

COC #: 1743 Date Sampled: 2/23/94

Sample Description:

GAFB-10-350-08-TC

Date & Time Received:

2/24/94 08:15

CHEMICAL ANALYSIS REPORT

		Quant.		<u>Date</u>	
<u>Parameter</u>	Results	Limit	<u>Units</u>	Analyzed	Method
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	3/2/94	8260
Tetrachloroethene	< 0.005	0.005	mg/i	3/2/94	8260
Toluene	< 0.003	0.003	mg/l	3/2/94	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	3/2/94	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	3/2/94	8260
Trichloroethene	< 0.002	0.002	mg/l	3/2/94	8260
Trichlorofluoromethane	< 0.005	0.005	mg/i	3/2/94	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	3/2/94	8260
m,p-Xylene	0.010	0.005	mg/l	3/2/94	8260
o-Xylene	0.008	0.004	. mg/l	3/2/94	8260
Vinyl Chloride	< 0.002	0.002	mg/l	3/2/94	8260

Approved by:

All test method numbers are references to U.S. Environmental Protection Agency methods unless otherwise noted. If an analytical value is shown with the less than sign ("<"), this indicates that the parameter was not detected. The corresponding number then represents the nominal practical quantitation limit for the analytical procedure employed.



Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Report Date: 3/4/94

Chemron Sample #: 34227
Sample Matrix: Water
Client's Job #: D.O.0008/10-350

COC #: 1739 Date Sampled: 2/23/94

Sample Description: GAFB-10-350-10-TC

Date & Time Received: 2/24/94 08:15

CHEMICAL ANALYSIS REPORT

<u>Parameter</u>	Results	<u>Quant.</u> <u>Limit</u>	<u>Units</u>	<u>Date</u> <u>Analyzed</u>	Method
Acetone	< 0.010	0.010	mg/l	3/3/94	8260
Acrolein	< 0.005	0.005	mg/l	3/3/94	8260
Acrylonitrile	< 0.004	0.004	mg/l	3/3/94	8260
Allyl chloride	< 0.003	0.003	mg/l	3/3/94	8260
Benzene	< 0.003	0.003	mg/l	3/3/94	8260
Bromodichloromethane	< 0.003	0.003	mg/l	3/3/94	8260
Bromoform	< 0.002	0.002	mg/l	3/3/94	8260
Bromomethane	< 0.006	0.006	mg/l	3/3/94	8260
2-Butanone (MEK)	< 0.010	0.010	mg/l	3/3/94	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	3/3/94	8260
Chlorobenzene	< 0.004	0.004	mg/l	3/3/94	8260
Chloroethane	< 0.002	0.002	mg/l	3/3/94	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	3/3/94	8260
Chloroform	< 0.003	0.003	mg/l	3/3/94	8260
Chloromethane	< 0.005	0.005	mg/l	3/3/94	8260
Dibromochloromethane	< 0.003	0.003	mg/l	3/3/94	8260
1,2-Dibromo-3-chloropropane	< 0.006	0.006	mg/l	3/3/94	8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	3/3/94	8260
Dibromomethane	< 0.002	0.002	mg/l	3/3/94	8260
1,2-Dichlorobenzene	< 0.005	0.005	mg/l	3/3/94	8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	3/3/94	8260
1,4-Dichlorobenzene	< 0.006	0.006	mg/l	3/3/94	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	3/3/94	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	3/3/94	8260
1,1-Dichloroethane	< 0.003	0.003	mg/l	3/3/94	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	3/3/94	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	3/3/94	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	3/3/94	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	3/3/94	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	3/3/94	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	3/3/94	8260
trans-1,3-Dichloropropene	< 0.003	0.003	mg/l	3/3/94	8260
Diethyl ether	< 0.005	0.005	mg/l	3/3/94	8260
Ethylbenzene	0.010	0.005	mg/l	3/3/94	8260
Ethylmethacrylate	< 0.005	0.005	mg/l	3/3/94	8260
2-Hexanone	< 0.006	0.006	mg/l	3/3/94	8260
Iodomethane	< 0.005	0.005	mg/l	3/3/94	8260
Methacrylonitrile	< 0.005	0.005	mg/l	3/3/94	8260
Methylene chloride	< 0.004	0.004	mg/l	3/3/94	8260
Methylmethacrylate	< 0.004	0.004	mg/l	3/3/94	8260
4-Methyl-2-pentanone (MIBK)	< 0.010	0.010	mg/l	3/3/94	8260
Propionitrile	< 0.010	0.010	mg/l	3/3/94	8260
Styrene	< 0.004	0.004	mg/l	3/3/94	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	3/3/94	8260



Client:

Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

Report Date: 3/4/94

Chemron Sample #: 34227

Sample Matrix: Water

Client's Job #: D.O.0008/10-350 COC #: 1739

COC #: 1739 Date Sampled: 2/23/94

Date & Time Received:

2/24/94

08:15

Sample Description: GAFB-10-350-10-TC

CHEMICAL ANALYSIS REPORT

		Quant.		Date	
<u>Parameter</u>	Results	Limit	<u>Units</u>	Analyzed	<u>Method</u>
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	3/3/94	8260
Tetrachloroethene	< 0.005	0.005	mg/l	3/3/94	8260
Toluene	0.011	0.003	mg/l	3/3/94	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	3/3/94	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	3/3/94	8260
Trichloroethene	< 0.002	0.002	mg/l	3/3/94	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	3/3/94	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	3/3/94	8260
m,p-Xylene	0.039	0.005	mg/l	3/3/94	8260
o-Xylene	0.026	0.004	mg/l	3/3/94	8260
Vinyl Chloride	< 0.002	0.002	mg/l	3/3/94	8260

Approved by:

All test method numbers are references to U.S. Environmental Protection Agency methods unless otherwise noted. If an analytical value is shown with the less than sign ("<"), this indicates that the parameter was not detected. The corresponding number then represents the nominal practical quantitation limit for the analytical procedure employed.



Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Report Date: 3/4/94 Chemron Sample #: 34225 Sample Matrix: Water

Client's Job #: D.O.0008/10-350 COC #: 1743 Date Sampled: 2/23/94

Sample Description: GAFB-10-350-11-TC

Date & Time Received: 2/24/94 08:15

CHEMICAL ANALYSIS REPORT

Parameter	Results	<u>Quant.</u> Limit	Units	<u>Date</u> Analyzed	Method
<u>x ar ameter</u>	<u> </u>	231115	<u> </u>	111111111111	1.1011100
Acetone	< 0.010	0.010	mg/l	3/3/94	8260
Acrolein	< 0.005	0.005	mg/l	3/3/94	8260
Acrylonitrile	< 0.004	0.004	mg/l	3/3/94	8260
Allyl chloride	< 0.003	0.003	mg/l	3/3/94	8260
Benzene	< 0.003	0.003	mg/l	3/3/94	8260
Bromodichloromethane	< 0.003	0.003	mg/l	3/3/94	8260
Bromoform	< 0.002	0.002	mg/l	3/3/94	8260
Bromomethane	< 0.006	0.006	mg/l	3/3/94	8260
2-Butanone (MEK)	< 0.010	0.010	mg/l	3/3/94	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	3/3/94	8260
Chlorobenzene	< 0.004	0.004	mg/l	3/3/94	8260
Chloroethane	< 0.002	0.002	mg/l	3/3/94	8260 8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	3/3/94 3/3/94	8260 8260
Chloroform	< 0.003	0.003	mg/i	3/3/94 3/3/94	8260 8260
Chloromethane Dibromochloromethane	<0.005 <0.003	0.005 0.003	mg/l mg/l	3/3/94 3/3/94	8260 8260
1,2-Dibromo-3-chloropropane	< 0.003	0.003	mg/l	3/3/94	8260 8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	3/3/94	8260 8260
Dibromomethane	< 0.003	0.003	mg/l	3/3/94	8260 8260
1,2-Dichlorobenzene	< 0.002	0.002	mg/l	3/3/94	8260 8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	3/3/94	8260 8260
1,4-Dichlorobenzene	< 0.005	0.005	mg/l	3/3/94	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	3/3/94	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	3/3/94	8260
1,1-Dichloroethane	< 0.003	0.003	mg/l	3/3/94	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	3/3/94	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	3/3/94	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	3/3/94	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	3/3/94	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	3/3/94	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	3/3/94	8260
trans-1,3-Dichloropropene	< 0.003	0.003	mg/l	3/3/94	8260
Diethyl ether	< 0.005	0.005	mg/l	3/3/94	8260
Ethylbenzene	< 0.005	0.005	mg/l	3/3/94	8260
Ethylmethacrylate	< 0.005	0.005	mg/l	3/3/94	8260
2-Hexanone	< 0.006	0.006	mg/l	3/3/94	8260
Iodomethane	< 0.005	0.005	mg/l	3/3/94	8260
Methacrylonitrile	< 0.005	0.005	mg/l	3/3/94	8260
Methylene chloride	< 0.004	0.004	mg/l	3/3/94	8260
Methylmethacrylate	< 0.004	0.004	mg/l	3/3/94	8260
4-Methyl-2-pentanone (MIBK)	< 0.010	0.010	mg/l	3/3/94	8260
Propionitrile	< 0.010	0.010	mg/l	3/3/94	8260
Styrene	< 0.004	0.004	mg/l	3/3/94	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	3/3/94	8260



Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Report Date: 3/4/94

Chemron Sample #: 34225

Date & Time Received:

Sample Matrix: Water Client's Job #: D.O.0008/10-350

COC #: 1743 Date Sampled: 2/23/94

Sample Description: GAFB-10-350-11-TC

2/24/94

08:15

CHEMICAL ANALYSIS REPORT

		Quant.		<u>Date</u>	
<u>Parameter</u>	Results	Limit	<u>Units</u>	Analyzed	<u>Method</u>
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	3/3/94	8260
Tetrachloroethene	< 0.005	0.005	mg/l	3/3/94	8260
Toluene	< 0.003	0.003	mg/l	3/3/94	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	3/3/94	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	3/3/94	8260
Trichloroethene	< 0.002	0.002	mg/l	3/3/94	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	3/3/94	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	3/3/94	8260
m,p-Xylene	< 0.005	0.005	mg/l	3/3/94	8260
o-Xylene	< 0.004	0.004	_ mg/l	3/3/94	8260
Vinyl Chloride	< 0.002	0.002	mg/l	3/3/94	8260

All test method numbers are references to U.S. Environmental Protection Agency methods unless otherwise noted. If an analytical value is shown with the less than sign ("<"), this indicates that the parameter was not detected. The corresponding number then represents the nominal practical quantitation limit for the analytical procedure employed.



Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Report Date: 3/3/94 Chemron Sample #: 34226 Sample Matrix: Water

Client's Job #: D.O.0008/10-350

COC #: 1739 Date Sampled: 2/23/94

Sample Description: GAFB-10-350-09-TC

Date & Time Received: 2/24/94 08:15

CHEMICAL ANALYSIS REPORT

<u>Parameter</u>	Results	<u>Quant.</u> <u>Limit</u>	<u>Units</u>	<u>Date</u> <u>Analyzed</u>	Method
Acetone	< 0.50	0.50	mg/l	3/2/94	8260
Acrolein	< 0.25	0.25	mg/l	3/2/94	8260
Acrylonitrile	< 0.20	0.20	mg/l	3/2/94	8260
Allyl chloride	< 0.15	0.15	mg/l	3/2/94	8260
Benzene	2.8	0.15	mg/l	3/2/94	8260
Bromodichloromethane	< 0.15	0.15	mg/l	3/2/94	8260
Bromoform	< 0.10	0.10	mg/l	3/2/94	8260
Bromomethane	< 0.30	0.30	mg/l	3/2/94	8260
2-Butanone (MEK)	< 0.50	0.50	mg/l	3/2/94	8260
Carbon tetrachloride	< 0.15	0.15	mg/l	3/2/94	8260
Chlorobenzene	< 0.20	0.20	mg/l	3/2/94	8260
Chloroethane	< 0.10	0.10	mg/l	3/2/94	8260
2-Chloroethyl vinyl ether	< 0.50	0.50	mg/l	3/2/94	8260
Chloroform	< 0.15	0.15	mg/l	3/2/94	8260
Chloromethane	< 0.25	0.25	mg/l	3/2/94	8260
Dibromochloromethane	< 0.15	0.15	mg/l	3/2/94	8260
1,2-Dibromo-3-chloropropane	< 0.30	0.30	mg/l	3/2/94	8260 8260
1,2-Dibromoethane	< 0.15	0.15	mg/l	3/2/94	
Dibromomethane	< 0.10	0.10 0.25	mg/l	3/2/94 3/2/94	8260 8260
1,2-Dichlorobenzene	< 0.25		mg/l	3/2/94 3/2/94	8260 8260
1,3-Dichlorobenzene	< 0.25	0.25 0.30	mg/l	3/2/94 3/2/94	8260 8260
1,4-Dichlorobenzene trans-1,4-Dichloro-2-butene	<0.30 <0.20	0.30	mg/l	3/2/94 3/2/94	8260 8260
Dichlorodifluoromethane		0.20	mg/l	3/2/94	8260 8260
	<0.15 <0.15	0.15	mg/l	3/2/94	8260
1,1-Dichloroethane		0.15	mg/l	3/2/94 3/2/94	8260
1,2-Dichloroethane 1,1-Dichloroethene	0.91 <0.25	0.13	mg/l	3/2/94 3/2/94	8260 8260
cis-1,2-Dichloroethene	< 0.25	0.23	mg/l mg/l	3/2/94	8260 8260
trans-1,2-Dichloroethene	< 0.20	0.20	mg/l	3/2/94	8260
		0.20		3/2/94 3/2/94	8260 8260
1,2-Dichloropropane cis-1,3-Dichloropropene	<0.10 <0.10	0.10	mg/l mg/l	3/2/94 3/2/94	8260
trans-1,3-Dichloropropene	< 0.15	0.10	mg/l	3/2/94	8260 8260
Diethyl ether	<0.15	0.13	mg/i	3/2/94	8260
Ethylbenzene	1.7	0.25	mg/l	3/2/94	8260 8260
Ethylmethacrylate Ethylmethacrylate	< 0.25	0.25	mg/l	3/2/94	8260
2-Hexanone	< 0.30	0.23	mg/l	3/2/94	8260 8260
Iodomethane	< 0.25	0.35	mg/l	3/2/94	8260
Methacrylonitrile	< 0.25	0.25	mg/l	3/2/94	8260
Methylene chloride	< 0.20	0.20	mg/l	3/2/94	8260
Methylmethacrylate	< 0.20	0.20	mg/l	3/2/94	8260
4-Methyl-2-pentanone (MIBK)	< 0.50	0.50	mg/l	3/2/94	8260 8260
Propionitrile	< 0.50	0.50	mg/l	3/2/94	8260 8260
Styrene	< 0.30	0.30	mg/l	3/2/94	8260 8260
1,1,1,2-Tetrachloroethane	< 0.25	0.25	mg/l	3/2/94	8260 8260
1, 1, 1,2-1 CH aCHIOI OCHIANC	~0.23	0.23	mg/I	312174	5200

CHEMRON INCORPORATED

10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

Client:

Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120

GAFB-10-350-09-TC

Report Date: 3/3/94

Chemron Sample #: 34226

Sample Matrix: Water Client's Job #: D.O.0008/10-350

COC #: 1739 Date Sampled: 2/23/94

Sample Description:

Date & Time Received:

2/24/94

08:15

CHEMICAL ANALYSIS REPORT

		Quant.		Date	
<u>Parameter</u>	Results	Limit	<u>Units</u>	Analyzed	Method
1,1,2,2-Tetrachloroethane	< 0.15	0.15	mg/l	3/2/94	8260
Tetrachloroethene	< 0.25	0.25	mg/l	3/2/94	8260
Toluene	9.9	0.15	mg/l	3/2/94	8260
1,1,1-Trichloroethane	< 0.25	0.25	mg/l	3/2/94	8260
1,1,2-Trichloroethane	< 0.15	0.15	mg/l	3/2/94	8260
Trichloroethene	< 0.10	0.10	mg/l	3/2/94	8260
Trichlorofluoromethane	< 0.25	0.25	mg/l	3/2/94	8260
1,2,3-Trichloropropane	< 0.15	0.15	mg/l	3/2/94	8260
m,p-Xylene	11	0.25	mg/l	3/2/94	8260
o-Xylene	6.3	0.20	mg/l	3/2/94	8260
Vinyl Chloride	< 0.10	0.10	mg/l	3/2/94	8260

Approved by:

All test method numbers are references to U.S. Environmental Protection Agency methods unless otherwise noted. If an analytical value is shown with the less than sign ("<"), this indicates that the parameter was not detected. The corresponding number then represents the nominal practical quantitation limit for the analytical procedure employed.

CHEMRON INCORPORATED

10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

Client: Perry Williams, Inc.

2700 S. Wilson

Report Date: Chemron Sample #:

03/04/94

Amarillo, Texas 79103 Chemron Sample #

mron Sample #: 34224 Sample Matrix: Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.08.TC

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
Acenaphthene	10	UG/L	ND	03/02/94	8270
Acenaphthylene	10	UG/L	ND	03/02/94	8270
Acetophenone	10	UG/L	ND	03/02/94	8270
Aniline	10	UG/L	ND	03/02/94	8270
Anthracene	10	UG/L	ND	03/02/94	8270
4-Aminobiphenyl	10	UG/L	. ND	03/02/94	8270
Benzidine	50	UG/L	ND	03/02/94	8270
Benzo(a)anthracene	10	UG/L	ND	03/02/94	8270
Benzo(b)fluoranthene	10	UG/L	ND	03/02/94	8270
Benzo(k)fluoranthene	10	UG/L	ND	03/02/94	8270
Benzo(g,h,i)perylene	10	UG/L	ND	03/02/94	8270
Benzo(a)pyrene	10	UG/L	ND	03/02/94	8270
Benzoic Acid	50	UG/L	ND	03/02/94	8270
Benzyl alcohol	20	UG/L	ND	03/02/94	8270
Bis(2-chloroethoxy)methane	10	UG/L	ND	03/02/94	8270
Bis(2-chloroethyl)ether	10	UG/L	ND	03/02/94	8270
Bis(2-chloroisopropyl)ether	10	UG/L	ND	03/02/94	8270
Bis(2-ethylhexyl)phthalate	10	UG/L	ND	03/02/94	8270
4-Bromophenylphenyl ether	10	UG/L	ND	03/02/94	8270
Butylbenzyl phthalate	10	UG/L	ND	03/02/94	8270
4-Chloroaniline	20	UG/L	ND	03/02/94	8270
1-Chloronaphthalene	10	UG/L	ND	03/02/94	8270
2-Chloronaphthalene	10	UG/L	ND	03/02/94	8270
4-Chloro-3-methylphenol	20	UG/L	· ND	03/02/94	8270
2-Chloropenol	10	UG/L	ND	03/02/94	8270
4-Chlorophenylphenyl ether	10	UG/L	ND	03/02/94	8270
Chrysene	10	UG/L	ND	03/02/94	8270
Dibenz(a,h)anthracene	10	UG/L	ND	03/02/94	8270
Dibenzofuran	10	UG/L	ND	03/02/94	8270



Chemron Sample #:

34224

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
1,3-Dichlorobenzene	10	UG/L	ND	03/02/94	8270
1,4-Dichlorobenzene	10	UG/L	ND	03/02/94	8270
1,2-Dichlorobenzene	10	UG/L	ND	03/02/94	8270
3,3'-Dichlorobenzidine	20	UG/L	ND	03/02/94	8270
2,4-Dichlorophenol	10	UG/L	ND	03/02/94	8270
2-6-Dichlorophenol	10	UG/L	ND	03/02/94	8270
Diethylphthalate	10	UG/L	ND	03/02/94	8270
a,a-Dimethylphenethylamine	10	UG/L	ND	03/02/94	8270
2,4-Dimethylphenol	10	UG/L	ND	03/02/94	8270
Dimethylphthalate	10	UG/L	ND	03/02/94	8270
Di-n-butylphthalate	10	UG/L	ND	03/02/94	8270
4,6-Dinitro-2-methylphenol	50	UG/L	ND	03/02/94	8270
2,4-Dinitrophenol	50	UG/L	ND	03/02/94	8270
2,4-Dinitrotoluene	10	UG/L	ND	03/02/94	8270
2,6-Dinitrotoluene	10	UG/L	ND	03/02/94	8270
Di-n-octylphthalate	10	UG/L	ND	03/02/94	8270
1,2-Diphenylhydrazine	50	UG/L	ND	03/02/94	8270
Fluoranthene	10	UG/L	ND	03/02/94	8270
Fluorene	10	UG/L	ND	03/02/94	8270
Hexachlorobenzene	10	UG/L	ND	03/02/94	8270
Hexachlorobutadiene	10	UG/L	ND	03/02/94	8270
Hexachlorocyclopentadiene	10	UG/L	ND	03/02/94	8270
Hexachloroethane	10	UG/L	ND	03/02/94	8270
Indeno(1,2,3-cd)pyrene	10	UG/L	ND	03/02/94	8270
Isophorone	10	UG/L	ND ·	03/02/94	8270
3-Methylcholanthrene	10	UG/L	ND	03/02/94	8270
2-Methylnaphthalene	10	UG/L	32	03/02/94	8270
2-Methylphenol	10	UG/L	ND	03/02/94	8270
4-Methylphenol *	10	UG/L	ND	03/02/94	8270
Naphthalene	10	UG/L	ND	03/02/94	8270
1-Naphthylamine	10	UG/L	ND	03/02/94	8270
2-Naphthylamine	10	UG/L	ND	03/02/94	8270
2-Nitroaniline	10	UG/L	ND	03/02/94	8270
3-Nitroaniline	10	UG/L	ND	03/02/94	8270
4-Nitroaniline	10	UG/L	ND	03/02/94	8270
Nitrobenzene	10	UG/L	ND	03/02/94	8270
2-Nitrophenol	10	UG/L	ND	03/02/94	8270
4-Nitrophenol	50	UG/L	ND	03/02/94	8270



Chemron Sample #:

34224

SEMI-VOLATILES ANALYSIS REPORT

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
N-Nitroso-di-n-butylamine	10	UG/L	ND	03/02/94	8270
N-Nitrosodimethylamine	10	UG/L	ND	03/02/94	8270
N-Nitrosodi-n-phenylamine **	10	UG/L	ND	03/02/94	8270
N-Nitroso-di-n-propylamine	10	UG/L	ND	03/02/94	8270
Pentachlorobenzene	10	UG/L	ND	03/02/94	8270
Pentachloronitrobenzene	10	UG/L	ND	03/02/94	8270
Pentachlorophenol	50	UG/L	ND	03/02/94	8270
Phenacetin	10	UG/L	ND	03/02/94	8270
Phenanthrene	10	UG/L	ND	03/02/94	8270
Phenol	10	UG/L	ND	03/02/94	8270
Pyrene	10	UG/L	ND	03/02/94	8270
Pyridine	10	UG/L	ND	03/02/94	8270
1,2,4,5-Tetrachlorobenzene	10	UG/L	ND	03/02/94	8270
2,3,4,6-Tetrachlorophenol	10	UG/L	ND	03/02/94	8270
1,2,4-Trichlorobenzene	10	UG/L	ND	03/02/94	8270
2,4,5-Trichlorophenol	10	UG/L	ND	03/02/94	8270
2,4,6-Trichlorophenol	10	UG/L	ND	03/02/94	8270

ND - not detected

Approved By:

All test method numbers are references to US Environmental Protection Agency methods unless otherwise noted. MDLs shown represent the minimum detection limit for the analytical procedure used based on the amount of sample analyzed.

^{*} Co-elutes with 3-Methylphenol

^{**} Inseparable from Diphenylamine



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

03/04/94

Chemron Sample #:

34225

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.11.TC

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
Acenaphthene	10	UG/L	ND	03/02/94	8270
Acenaphthylene	10	UG/L	ND	03/02/94	8270
Acetophenone	10	UG/L	ND	03/02/94	8270
Aniline	10	UG/L	ND	03/02/94	8270
Anthracene	10	UG/L	ND	03/02/94	8270
4-Aminobiphenyl	10	UG/L	. ND	03/02/94	8270
Benzidine	50	UG/L	ND	03/02/94	8270
Benzo(a)anthracene	10	UG/L	ND	03/02/94	8270
Benzo(b)fluoranthene	10	UG/L	ND	03/02/94	8270
Benzo(k)fluoranthene	10	UG/L	ND	03/02/94	8270
Benzo(g,h,i)perylene	10	UG/L	ND	03/02/94	8270
Benzo(a)pyrene	10	UG/L	ND	03/02/94	8270
Benzoic Acid	50	UG/L	ND	03/02/94	8270
Benzyl alcohol	20	UG/L	ND	03/02/94	8270
Bis(2-chloroethoxy)methane	10	UG/L	ND	03/02/94	8270
Bis(2-chloroethyl)ether	10	UG/L	ND ⁻	03/02/94	8270
Bis(2-chloroisopropyl)ether	10	UG/L	ND	03/02/94	8270
Bis(2-ethylhexyl)phthalate	10	UG/L	ND	03/02/94	8270
4-Bromophenylphenyl ether	10	UG/L	ND	03/02/94	8270
Butylbenzyl phthalate	10	UG/L	ND	03/02/94	8270
4-Chloroaniline	20	UG/L	ND	03/02/94	8270
1-Chloronaphthalene	10	UG/L	ND	03/02/94	8270
2-Chloronaphthalene	10	UG/L	ND	03/02/94	8270
4-Chloro-3-methylphenol	20	UG/L	ND	03/02/94	8270
2-Chloropenol	10	UG/L	ND	03/02/94	8270
4-Chlorophenylphenyl ether	10	UG/L	ND	03/02/94	8270
Chrysene	10	UG/L	ND	03/02/94	8270
Dibenz(a,h)anthracene	10	UG/L	ND	03/02/94	8270
Dibenzofuran	10	UG/L	ND	03/02/94	8270



Chemron Sample #:

34225

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
1,3-Dichlorobenzene	10	UG/L	ND	03/02/94	8270
1,4-Dichlorobenzene	10	UG/L	ND	03/02/94	8270
1,2-Dichlorobenzene	10	UG/L	ND	03/02/94	8270
3,3'-Dichlorobenzidine	20	UG/L	ND	03/02/94	8270
2,4-Dichlorophenol	10	UG/L	ND	03/02/94	8270
2-6-Dichlorophenol	10	UG/L	ND	03/02/94	8270
Diethylphthalate	10	UG/L	ND	03/02/94	8270
a,a-Dimethylphenethylamine	10	UG/L	ND	03/02/94	8270
2,4-Dimethylphenol	10	UG/L	ND	03/02/94	8270
Dimethylphthalate	10	UG/L	ND	03/02/94	8270
Di-n-butylphthalate	10	UG/L	ND	03/02/94	8270
4,6-Dinitro-2-methylphenol	50	UG/L	ND	03/02/94	8270
2,4-Dinitrophenol	50	UG/L	ND	03/02/94	8270
2,4-Dinitrotoluene	10	UG/L	ND	03/02/94	8270
2,6-Dinitrotoluene	10	UG/L	ND	03/02/94	8270
Di-n-octylphthalate	10	UG/L	ND	03/02/94	8270
1,2-Diphenylhydrazine	50	UG/L	ND	03/02/94	8270
Fluoranthene	10	UG/L	ND	03/02/94	8270
Fluorene	10	UG/L	ND	03/02/94	8270
Hexachlorobenzene	10	UG/L	ND	03/02/94	8270
Hexachlorobutadiene	10	UG/L	ND	03/02/94	8270
Hexachlorocyclopentadiene	10	UG/L	ND	03/02/94	8270
Hexachloroethane	10	UG/L	ND	03/02/94	8270
Indeno(1,2,3-cd)pyrene	10	UG/L	ND	03/02/94	8270
Isophorone	10	UG/L	ND	03/02/94	8270
3-Methylcholanthrene	10	UG/L	ND	03/02/94	8270
2-Methylnaphthalene	10	UG/L	ND	03/02/94	8270
2-Methylphenol	10	UG/L	ND	03/02/94	8270
4-Methylphenol *	10	UG/L	ND	03/02/94	8270
Naphthalene	10	UG/L	ND	03/02/94	8270
1-Naphthylamine	10	UG/L	ND	03/02/94	8270
2-Naphthylamine	10	UG/L	ND	03/02/94	8270
2-Nitroaniline	10	UG/L	ND	03/02/94	8270
3-Nitroaniline	10	UG/L	ND	03/02/94	8270
4-Nitroaniline	10	UG/L	ND	03/02/94	8270
Nitrobenzene	10	UG/L	ND	03/02/94	8270
2-Nitrophenol	10	UG/L	ND	03/02/94	8270
4-Nitrophenol	50	UG/L	ND	03/02/94	8270



Chemron Sample #:

34225

SEMI-VOLATILES ANALYSIS REPORT

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
NI Nisanco di a bustalomino	10	UG/L	ND	03/02/94	8270
N-Nitroso-di-n-butylamine					
N-Nitrosodimethylamine	10	UG/L	ND	03/02/94	8270
N-Nitrosodi-n-phenylamine **	10	UG/L	ND	03/02/94	8270
N-Nitroso-di-n-propylamine	10	UG/L	ND	03/02/94	8270
Pentachlorobenzene	10	UG/L	ND	03/02/94	8270
Pentachloronitrobenzene	10	UG/L	ND	03/02/94	8270
Pentachlorophenol	50	UG/L	ND	03/02/94	8270
Phenacetin	10	UG/L	ND	03/02/94	8270
Phenanthrene	10	UG/L	ND	03/02/94	8270
Phenol	10	UG/L	ND	03/02/94	8270
Pyrene	10	UG/L	ND	03/02/94	8270
Pyridine	10	UG/L	ND	03/02/94	8270
1,2,4,5-Tetrachlorobenzene	10	UG/L	ND	03/02/94	8270
2,3,4,6-Tetrachlorophenol	10	UG/L	ND	03/02/94	8270
1,2,4-Trichlorobenzene	10	UG/L	ND	03/02/94	8270
2,4,5-Trichlorophenol	10	UG/L	ND	03/02/94	8270
2,4,6-Trichlorophenol	10	UG/L	ND	03/02/94	8270

ND - not detected

Approved By:

All test method numbers are references to US Environmental Protection Agency methods unless otherwise noted. MDLs shown represent the minimum detection limit for the analytical procedure used based on the amount of sample analyzed.

^{*} Co-elutes with 3-Methylphenol

^{**} Inseparable from Diphenylamine



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

03/04/94

Chemron Sample #:

34226

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.09.TC

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
Acenaphthene	100	UG/L	ND	03/03/94	8270
Acenaphthylene	100	UG/L	ND	03/03/94	8270
Acetophenone	100	UG/L	ND	03/03/94	8270
Aniline	100	UG/L	ND	03/03/94	8270
Anthracene	100	UG/L	ND	03/03/94	8270
4-Aminobiphenyl	100	UG/L	. ND	03/03/94	8270
Benzidine	500	UG/L	ND	03/03/94	8270
Benzo(a)anthracene	100	UG/L	ND	03/03/94	8270
Benzo(b)fluoranthene	100	UG/L	ND	03/03/94	8270
Benzo(k)fluoranthene	100	UG/L	ND	03/03/94	8270
Benzo(g,h,i)perylene	100	UG/L	ND	03/03/94	8270
Benzo(a)pyrene	100	UG/L	ND	03/03/94	8270
Benzoic Acid	500	UG/L	ND	03/03/94	8270
Benzyl alcohol	200	UG/L	ND	03/03/94	8270
Bis(2-chloroethoxy)methane	100	UG/L	ND	03/03/94	8270
Bis(2-chloroethyl)ether	100	UG/L	ND	03/03/94	8270
Bis(2-chloroisopropyl)ether	100	UG/L	ND	03/03/94	8270
Bis(2-ethylhexyl)phthalate	100	UG/L	770	03/03/94	8270
4-Bromophenylphenyl ether	100	UG/L	ND	03/03/94	8270
Butylbenzyl phthalate	100	UG/L	ND	03/03/94	8270
4-Chloroaniline	200	UG/L	ND	03/03/94	8270
1-Chloronaphthalene	100	UG/L	ND	03/03/94	8270
2-Chloronaphthalene	100	UG/L	ND	03/03/94	8270
4-Chloro-3-methylphenol	200	UG/L	ND	03/03/94	8270
2-Chloropenol	100	UG/L	ND	03/03/94	8270
4-Chlorophenylphenyl ether	100	UG/L	ND	03/03/94	8270
Chrysene	100	UG/L	ND	03/03/94	8270
Dibenz(a,h)anthracene	100	UG/L	ND	03/03/94	8270
Dibenzofuran	100	UG/L	ND	03/03/94	8270

Chemron Sample #:

34226

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
1,3-Dichlorobenzene	100	UG/L	ND	03/03/94	8270
1,4-Dichlorobenzene	100	UG/L	ND	03/03/94	8270
1,2-Dichlorobenzene	100	UG/L	ND	03/03/94	8270
3,3'-Dichlorobenzidine	200	UG/L	ND	03/03/94	8270
2,4-Dichlorophenol	100	UG/L	ND	03/03/94	8270
2-6-Dichlorophenol	100	UG/L	ND	03/03/94	8270
Diethylphthalate	100	UG/L	ND	03/03/94	8270
a,a-Dimethylphenethylamine	100	UG/L	ND	03/03/94	8270
2,4-Dimethylphenol	100	UG/L	470	03/03/94	8270
Dimethylphthalate	100	UG/L	ND	03/03/94	8270
Di-n-butylphthalate	100	UG/L	ND	03/03/94	8270
4,6-Dinitro-2-methylphenol	500	UG/L	ND	03/03/94	8270
2,4-Dinitrophenol	500	UG/L	ND	03/03/94	8270
2,4-Dinitrotoluene	100	UG/L	ND	03/03/94	8270
2,6-Dinitrotoluene	100	UG/L	ND	03/03/94	8270
Di-n-octylphthalate	100	UG/L	ND	03/03/94	8270
1,2-Diphenylhydrazine	500	UG/L	ND	03/03/94	8270
Fluoranthene	100	UG/L	ND	03/03/94	8270
Fluorene	100	UG/L	ND	03/03/94	8270
Hexachlorobenzene	100	UG/L	ND	03/03/94	8270
Hexachlorobutadiene	100	UG/L	ND	03/03/94	8270
Hexachlorocyclopentadiene	100	UG/L	ND	03/03/94	8270
Hexachloroethane	100	UG/L	ND	03/03/94	8270
Indeno(1,2,3-cd)pyrene	100	UG/L	ND	03/03/94	8270
Isophorone	100	UG/L	ND	03/03/94	8270
3-Methylcholanthrene	100	UG/L	ND	03/03/94	8270
2-Methylnaphthalene	100	UG/L	1700	03/03/94	8270
2-Methylphenol	100	UG/L	150	03/03/94	8270
4-Methylphenol *	100	UG/L	110	03/03/94	8270
Naphthalene	100	UG/L	1400	03/03/94	8270
1-Naphthylamine	100	UG/L	ND	03/03/94	8270
2-Naphthylamine	100	UG/L	ND	03/03/94	8270
2-Nitroaniline	100	UG/L	ND	03/03/94	8270
3-Nitroaniline	100	UG/L	ND	03/03/94	8270
4-Nitroaniline	100	UG/L	ND	03/03/94	8270
Nitrobenzene	100	UG/L	ND	03/03/94	8270
2-Nitrophenol	100	UG/L	ND	03/03/94	8270
4-Nitrophenol	500	UG/L	ND	03/03/94	8270



Chemron Sample #:

34226

SEMI-VOLATILES ANALYSIS REPORT

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
N-Nitroso-di-n-butylamine	100	UG/L	ND	03/03/94	8270
N-Nitrosodimethylamine	100	UG/L	ND	03/03/94	8270
-	100	UG/L	ND	03/03/94	8270
N-Nitrosodi-n-phenylamine **					
N-Nitroso-di-n-propylamine	100	UG/L	ND	03/03/94	8270
Pentachlorobenzene	100	UG/L	ND	03/03/94	8270
Pentachloronitrobenzene	100	UG/L	ND	03/03/94	8270
Pentachlorophenol	500	UG/L	ND	03/03/94	8270
Phenacetin	100	UG/L	ND	03/03/94	8270
Phenanthrene	100	UG/L	ND	03/03/94	8270
Phenol	100	UG/L	ND	03/03/94	8270
Pyrene	100	UG/L	ND	03/03/94	8270
Pyridine	100	UG/L	ND	03/03/94	8270
1,2,4,5-Tetrachlorobenzene	100	UG/L	ND	03/03/94	8270
2,3,4,6-Tetrachlorophenol	100	UG/L	ND	03/03/94	8270
1,2,4-Trichlorobenzene	100	UG/L	ND	03/03/94	8270
2,4,5-Trichlorophenol	100	UG/L	ND	03/03/94	8270
2,4,6-Trichlorophenol	100	UG/L	ND	03/03/94	8270

ND - not detected

Approved By:

All test method numbers are references to US Environmental Protection Agency methods unless otherwise noted. MDLs shown represent the minimum detection limit for the analytical procedure used based on the amount of sample analyzed.

^{*} Co-elutes with 3-Methylphenol

^{**} Inseparable from Diphenylamine



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

03/04/94

Chemron Sample #:

34227

Sample Matrix:

Water

Sample Description:

Project No. D.O. #0008

Project Name/Location: Gary AFB/San Marcos Bldg 10-350

Client Sample ID #: GAFB.10.350.10.TC

ANALYZ	MDI	7 I:4-	RESULTS	Date	Test Method
ANALYTE	MDL	Units	RESULIS	Analyzed	Memod
Acenaphthene	100	UG/L	ND	03/03/94	8270
Acenaphthylene	100	UG/L	ND	03/03/94	8270
Acetophenone	100	UG/L	ND	03/03/94	8270
Aniline	100	UG/L	ND	03/03/94	8270
Anthracene	100	UG/L	ND	03/03/94	8270
4-Aminobiphenyl	100	UG/L	. ND	03/03/94	8270
Benzidine	500	UG/L	ND	03/03/94	8270
Benzo(a)anthracene	100	UG/L	ND	03/03/94	8270
Benzo(b)fluoranthene	100	UG/L	ND	03/03/94	8270
Benzo(k)fluoranthene	100	UG/L	ND	03/03/94	8270
Benzo(g,h,i)perylene	100	UG/L	ND	03/03/94	8270
Benzo(a)pyrene	100	UG/L	ND	03/03/94	8270
Benzoic Acid	500	UG/L	ND	03/03/94	8270
Benzyl alcohol	200	UG/L	ND	03/03/94	8270
Bis(2-chloroethoxy)methane	100	UG/L	ND	03/03/94	8270
Bis(2-chloroethyl)ether	100	UG/L	ND	03/03/94	8270
Bis(2-chloroisopropyl)ether	100	UG/L	ND	03/03/94	8270
Bis(2-ethylhexyl)phthalate	100	UG/L	1000	03/03/94	8270
4-Bromophenylphenyl ether	100	UG/L	ND	03/03/94	8270
Butylbenzyl phthalate	100	UG/L	ND	03/03/94	8270
4-Chloroaniline	200	UG/L	ND	03/03/94	8270
1-Chloronaphthalene	100	UG/L	ND	03/03/94	8270
2-Chloronaphthalene	100	UG/L	ND	03/03/94	8270
4-Chloro-3-methylphenol	200	UG/L	ND	03/03/94	8270
2-Chloropenol	100	UG/L	ND	03/03/94	8270
4-Chlorophenylphenyl ether	100	UG/L	ND	03/03/94	8270
Chrysene	100	UG/L	ND	03/03/94	8270
Dibenz(a,h)anthracene	100	UG/L	ND	03/03/94	8270
Dibenzofuran	100	UG/L	ND	03/03/94	8270



Chemron Sample #:

34227

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
1,3-Dichlorobenzene	100	UG/L	ND	03/03/94	8270
1,4-Dichlorobenzene	100	UG/L	ND	03/03/94	8270
1,2-Dichlorobenzene	100	UG/L	ND	03/03/94	8270
3,3'-Dichlorobenzidine	200	UG/L	ND	03/03/94	8270
2,4-Dichlorophenol	100	UG/L	ND	03/03/94	8270
2-6-Dichlorophenol	100	UG/L	ND	03/03/94	8270
Diethylphthalate	100	UG/L	ND	03/03/94	8270
a,a-Dimethylphenethylamine	100	UG/L	ND	03/03/94	8270
2,4-Dimethylphenol	100	UG/L	ND	03/03/94	8270
Dimethylphthalate	100	UG/L	ND	03/03/94	8270
Di-n-butylphthalate	100	UG/L	ND	03/03/94	8270
4,6-Dinitro-2-methylphenol	500	UG/L	ND	03/03/94	8270
2,4-Dinitrophenol	500	UG/L	ND	03/03/94	8270
2,4-Dinitrotoluene	100	UG/L	ND	03/03/94	8270
2,6-Dinitrotoluene	100	UG/L	ND	03/03/94	8270
Di-n-octylphthalate	100	UG/L	ND	03/03/94	8270
1,2-Diphenylhydrazine	500	UG/L	ND	03/03/94	8270
Fluoranthene	100	UG/L	ND	03/03/94	8270
Fluorene	100	UG/L	ND	03/03/94	8270
Hexachlorobenzene	100	UG/L	ND	03/03/94	8270
Hexachlorobutadiene	100	UG/L	ND	03/03/94	8270
Hexachlorocyclopentadiene	100	UG/L	ND	03/03/94	8270
Hexachloroethane	100	UG/L	ND	03/03/94	8270
Indeno(1,2,3-cd)pyrene	100	UG/L	ND	03/03/94	8270
Isophorone	100	UG/L	ND	03/03/94	8270
3-Methylcholanthrene	100	UG/L	ND	03/03/94	8270
2-Methylnaphthalene	100	UG/L	ND	03/03/94	8270
2-Methylphenol	100	UG/L	ND	03/03/94	8270
4-Methylphenol *	100	UG/L	ND	03/03/94	8270
Naphthalene	100	UG/L	ND	03/03/94	8270
1-Naphthylamine	100	UG/L	ND	03/03/94	8270
2-Naphthylamine	100	UG/L	ND	03/03/94	8270
2-Nitroaniline	100	UG/L	ND	03/03/94	8270
3-Nitroaniline	100	UG/L	ND	03/03/94	8270
4-Nitroaniline	100	UG/L	ND	03/03/94	8270
Nitrobenzene	100	UG/L	ND	03/03/94	8270
2-Nitrophenol	100	UG/L	ND	03/03/94	8270
4-Nitrophenol	500	UG/L	ND	03/03/94	8270



Chemron Sample #:

34227

SEMI-VOLATILES ANALYSIS REPORT

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
N-Nitroso-di-n-butylamine	100	UG/L	ND	03/03/94	8270
N-Nitrosodimethylamine	100	UG/L	ND	03/03/94	8270
N-Nitrosodi-n-phenylamine **	100	UG/L	ND	03/03/94	8270
N-Nitroso-di-n-propylamine	100	UG/L	ND	03/03/94	8270
Pentachlorobenzene	100	UG/L	ND	03/03/94	8270
Pentachloronitrobenzene	100	UG/L	ND	03/03/94	8270
Pentachlorophenol	500	UG/L	ND	03/03/94	8270
Phenacetin	100	UG/L	ND	03/03/94	8270
Phenanthrene	100	UG/L	ND	03/03/94	8270
Phenol	100	UG/L	ND	03/03/94	8270
Pyrene	100	UG/L	ND	03/03/94	8270
Pyridine	100	UG/L	ND	03/03/94	8270
1,2,4,5-Tetrachlorobenzene	100	UG/L	ND	03/03/94	8270
2,3,4,6-Tetrachlorophenol	100	UG/L	ND	03/03/94	8270
1,2,4-Trichlorobenzene	100	UG/L	ND	03/03/94	8270
2,4,5-Trichlorophenol	100	UG/L	ND	03/03/94	8270
2,4,6-Trichlorophenol	100	UG/L	ND	03/03/94	8270

ND - not detected

Approved By:

All test method numbers are references to US Environmental Protection Agency methods unless otherwise noted. MDLs shown represent the minimum detection limit for the analytical procedure used based on the amount of sample analyzed.

^{*} Co-elutes with 3-Methylphenol

^{**} Inseparable from Diphenylamine



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Client's Job #: D.O.0008/10-350 Chain of Custody #:+1739 Report Date: 03/07/94

QUALITY ASSURANCE REPORT

			Spike				Contro	l Limits	Relative %	
Description / Parameter	Matrix ———	Analysis Date	Concentration	Analyzed Value	Background Value	% Recovery	Lower	Upper 	Difference	Control Limit
NO TROU		00.105.404			_					
MS - TRPH	Water	02/25/94	5.2	5.2	< .5	100%	75%	125%		
MSD - TRPH	Water	02/25/94				98%			2%	< 30%
MS - TRPH	Water	02/25/94	5.2	5.2	< .5	98%	75%	125%	•	
MSD - TRPH	Water	02/25/94				95%			3%	< 30%
MKS - Aroclor 1232	Water	02/26/94	1000	938	< .5	94%	10%	215%		
MSD - Aroclor 1232	Water	02/26/94				93%			1%	< 18%
MS - Arsenic	Water	03/01/94	2	1.919	. <.042	96%	75%	125%		
MSD - Arsenic	Water	03/01/94				93%			3%	< 30%
MS - Arsenic	Water	03/01/94	2	1.960	<.042	98%	75%	125%		•
MSD - Arsenic	Water	03/01/94				94%			4%	< 30%
MS - Cadmium	Water	03/01/94	2	1.876	<.002	94%	75%	125%		
MSD - Cadmium	Water	03/01/94				94%			1%	< 30%
MS - Cadmium	Water	03/01/94	2	1.961	.009	98%	<i>7</i> 5%	125%		
MSD - Cadmium	Water	03/01/94				95%			2%	< 30%
MS - Chromium	Water	03/01/94	2	1.879	<.003	94%	<i>7</i> 5%	125%		
MSD - Chromium	Water	03/01/94				94%			0%	< 30%
MS - Chromium	Water	03/01/94	2	1.937	<.003	96%	75%	125%		
MSD - Chromium	Water	03/01/94			•	92%			4%	< 30%

Concentration Units: Soil / Sediments - mg/kg and Water - ug/L



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Client's Job #: D.O.0008/10-350 Chain of Custody #:+1739 Report Date: 03/07/94

QUALITY ASSURANCE REPORT

Description / Parameter	Matrix	Analysis Date	Spike Concentration	Analyzed Value	Background Value	% Recovery	Control Lower	Limits Upper	Relative % Difference	Control Limit
										
MS - Lead	Water	03/01/94	2	3.630	1.647	99%	75%	125%		
MSD · Lead	Water	03/01/94				91%		•	9%	< 30%
MS - Lead	Water	03/01/94	2	1.986	<.021	99%	75%	125%		
MSD - Lead	Water	03/01/94				96%			4%	< 30%
MS - Selenium	Water	03/01/94	2	1.931	<.061	97%	75%	125%		
MSD - Selenium	Water	03/01/94				95%			2%	< 30%
MS - Selenium	Water	03/01/94	2	1.826	<.061	91%	75%	125%		
MSD - Selenium	Water	03/01/94				969%			5%	< 30%
MS - Silver	Water	03/01/94	2	1.964	<.003	987%	75%	125%		. '
MSD - Silver	Water	03/01/94				97%			1%	< 30%
MS - Silver	Water	03/01/94	1	1.666	<.003	117%	75%	125%		
MSD - Silver	Water	03/01/94				125%			7%	< 30%
MSD - Barium	Water	03/01/94				93%			1%	< 30%
MSD - Barium	Water	03/01/94				93%			3%	< 30%
			•							

Concentration Units: Soil / Sediments - mg/kg and Water - ug/L

COC #: 1739



10526 Gulfdale • San Antonio, Texas 78216 (210) 340-8121 (800) 572-6955

3876101

Project Manager: Project Manager: Address: 2700 S. (4) Project Number:			ΤX			FAX	06-373-			C	НА	IN OF C	USTO	DY F	RECO	RD			
CONTRACTE DA	CA 63-9	2. <i>(</i> 2 - (0)	<i>U</i> 1	Δ.	100			FB SON MORCOS											
Project Location:						Sampi	er Signature:												,
L 2/06/7	37.75	<u></u>	r—	_		1041	TYL Z. CA	71(1021)		·								_,	
ID # LAB USE ONLY	Sam Sam	pling Lime	Matrix [s,w,f]	Composite	Grab	Boring	FIELD ID#	FIELD DE	SCRIPTIO	N	No. of Containers		LYSI	/	4/5	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0/2	(Pre	REMARKS
34226		مدرد	├	-	-	\vdash		1			_			7-	70	/ `	/ a	(Pre	servation, Size/Amount, Etc
24226	2-239-	1550	ω	1	<u> </u>	+		GAFB 10.350 1			2			1		 -	ļ		40MI VOA'S
		<u> </u>	\coprod	Ц	<u></u>			6AFB . 10.350 .	09.76		1		~					HU	1 Liter Amber
		<u> </u>						C-AFB 10.350.	09.TC		1				1			1	1 Liter Amber
								GAFB 10.3501	09.76		1					V			1 Liter Amber
V		1						GAFB 101350.			1						1	HND	250 ml Plast.
34227		1445	#	Н	一			GAFB 10.350.			ر ک			1		 			40ml VOA'S
JANAI	-	173	H	Н	┢						~			_					
 	-	1	╀	H	 	\vdash		6AFB 10.350.		·	\vdash		~		 			HCI	1 Liter Amber
		/	Ш		_	└		GAFB 1/0.350.	10.TC						V		ļ	 	Viter Amber
 			Ш	Щ.		<u> </u>		1-AFB · 10 · 350	10. TL		1					1	<u> </u>	<u> </u>	VLita Ambar
I V	1 V	W	V	l 1	ł			GAFB:10.350	10.TC		1				l		1	HOOS	250Ml Plast
Relinquished by:	isignatur W	loc	J.	_		Date	Time	Received by: [Signature		Remar			1	Yes	N	。 21			3 V.
Relinquished by:	Signatu	re)			\Box	Date	Time	Received by: Signature	•]	Head			ŀ		+~				it
							4			Prop	erly	Sealed		_/_	<u>' </u>		If No	o, Exp	lain
Relinquished by:	(Signatu	re]				Date	Time	Received by: [Signature	B)	Chill	ed to	o 40°F	Į				If No	o, Tem	ıp
Relinquished by:	(Signatur	•]	·		+	Date	Time	Received by: [Signature	a]			Containe al comm		<u> </u>					
Relinquished by:	[Signatui	re]		•		Z Patel	Time 9:75	Received for Laborator Signature	V DV: 2/24/04	:		•							



Client: Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120

Client's Job #: D.O.0008/10-350 Chain of Custody #:+1743 Report Date: 03/07/94

QUALITY ASSURANCE REPORT

			Spike				Control	Limits	Relative %	
Description / Parameter	Matrix	Analysis Date	Concentration	Analyzed Value	Background Value	% Recovery	Lower	Upper	Difference	Control Limit
		 _								
MS - TRPH	Water	02/25/94	5.2	5.2	< .5	100%	<i>7</i> 5%	125%		
MSD - TRPH	Water	02/25/94				98%			2%	< 30%
MS - TRPH	Water	02/25/94	5.2	5.2	< .5	98%	75%	125%		
MSD - TRPH	Water	02/25/94				95%			3%	< 30%
MS - Aroclor 1232	Water	02/25/94	1000	938	< .5	94%	10%	215%		
MSD - Aroclor 1232	Water	02/25/94				93%			1%	< 18%
MS - Arsenic	Water	03/01/94	2	1.919	<.042	96%	75%	125%		
MSD - Arsenic	Water	03/01/94				93%			3%	< 30%
MS - Arsenic	Water	03/01/94	2	1.960	<.042	98%	75%	125%		
MSD - Arsenic	Water	03/01/94				94%			4%	< 30%
MSD - Barium	Water	03/01/94				93%			1%	< 30%
MSD - Barium	Water	03/01/94				93%			3%	< 30%
MS - Cadmium	Water	03/01/94	2	1.876	<.002	94%	75%	125%		
MSD - Cadmium	Water	03/01/94				94%			1%	< 30%
MS - Cadmium	Water	03/01/94	2	1.961	.009	98%	75%	125%		
MSD - Cadmium	Water	03/01/94				95%			2%	< 30%

Concentration Units: Soil / Sediments - mg/kg and Water - ug/L



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Client's Job #: D.O.0008/10-350 Chain of Custody #:+1743 Report Date: 03/07/94

QUALITY ASSURANCE REPORT

Description / Parameter	Matrix	Analysis Date	Spike Concentration	Analyzed Value	Background Value	% Recovery	Control Lower	Limits Upper	Relative % Difference	Control Limit
MS · Lead	Water	03/01/94	2	3.630	1.647	99%	75%	125%		
MSD - Lead	Water	03/01/94				91%			9%	< 30%
MS - Lead	Water	03/01/94	2	1.986	<.021	99%	75%	125%		
MSD - Lead	Water	03/01/94				96%			4%	< 30%
MS - Selenium	Water	03/01/94	2	1.931	<.061	97%	75%	125%		
MSD - Selenium	Water	03/01/94		•		95%			2%	< 30%
MS - Selenium	Water	03/01/94	2	1.826	<.061	91%	75%	125%		
MSD - Selenium	Water	03/01/94				969%			5%	< 30%
MS - Silver	Water	03/01/94	2	1.964	<.003	987%	75%	125%		
MSD · Silver	Water	03/01/94				97%			1%	< 30%
MS - Silver	Water	03/01/94	1	1.666	<.003	117%	75%	125%		
MSD - Silver	Water	03/01/94				125%			7%	< 30%
MSD - Barium	Water	03/01/94				93%			1%	< 30%
MSD - Barium	Water	03/01/94				93%			3%	< 30%

Concentration Units: Soil / Sediments · mg/kg and Water · ug/L



10526 Gulfdale • San Antonio, Texas 78216 (210) 340-8121 (800) 572-6955

•	
Project Manager:	Phone #
Perry Williams INC.	<i>906-373-5</i> 820
Address:	FAX #:
27005 Wilson Ama, TX	806-371-0340
Project Number:	Project Name:
CONTract # DACA63-92-D-0047 D.O. # DANS	CARYAFB SON Marcas
Project Location:	Sampler Signature:
おはん バルスミの	Walker Carlock

COC #: 1/43

CHAIN OF CUSTODY RECORD

3875

Project Number:	A / > A ·			^ 1			•	t Name:	and Marcas												
CONTract#DACE Project Location: BId9 10-350		·DC	2041	13.0	<i>∉0∆</i>	28	Sample	or Signature:													
Diag TU-DS				T	_		M/4/F	CAFIEL	<u> </u>	<u> </u>									, –	, ,	
ID # LAB USE ONLY	Date &	mpl	Ling	Matrix [s,w,f]	Composite	Grab	Boring	FIELD ID#	FIELD DE	SCRIPTION	ı	No. of Containers		LYSIS	/_/	/ St / 'S	08/0°	9/3	Pres	REMAF	
34224	2-234	<u>:</u> //	610	w	1				CAFB.10:350.0	8. TC		2			V				Hel	40mil VD	A'S
			1	Ш					CAFB: 10: 350:0	8,1c				<u> </u>		V			HC1	1 Litec An	ober
)	Ш					GAFB 10-3501 08	P.TC		Ц					/			Kiter Am	ber
									CAFB 10.350.08			$i \perp$						1		Kiter Am	ber
\vee				\prod					CARB-10:350:09			/ [HNOS	250 mil 1	
34225		ľ	730	П					CAFB 10-350-11		1	2								HOLMEL RI	
}		Τ	\mathcal{T}	П					CAFB 10,350-11			π		W						Iliter Am	
			T	П					CAFB-10-350' 11			7				V				Liter Am	-
			\mathcal{I}						CAFB-10-350 1								~			1 Liter An	
V	<	$\overline{\Lambda}$		1	V				CAFB 10:350 · il i			/ [,			V	HNO3	250 mil P	
Relinquished by:	laignati	ntej	be	1	/		Date	Time	Received by: (Signature	e] i	Remark			Г	Yes	No	~		-		
Relinquished by:	(Signat	ure]					Date	Time	Received by: [Signature	e]	Heads Proper	•		ŀ	J	$+^{\nu}$				i ain	
Relinquished by:	(Signat	ure]	_				Date	Time	Received by: [Signatur	re]	Chilled	d to	40°F		<u> </u>	<u> </u>				p	
Relinquished by:	(Signat	ure]		-			Date	Time	Received by: [Signatur				ontaine I comm		· ————	 ,		 _			
Relinquished by:	(Signat	ure]				4	Date 2444	7:15	Received for Laborator Signature JMVM (JAL 44TH	or 9:15			· 							· · · · · · · · · · · · · · · · · · ·	
			•				/														



Client: Perry Williams, Inc.

P. O. Box 30206

Amarillo, TX

79120

Date Received: 04/21/94 Time Received: 10:00

Date Sampled: 04/20/94

Client's Job #: D.O.0008/GAFB

Chain of Custody #: 1850-1853

Report Date: 04/27/94

Chemron's Job #: 4124

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)
35503	Trip Blank	Water	04/26/94	<.005	<.005	<.005	<.015	<.03

Approved By:

Analytical Methods: BTEX in Soil or Water - 8020



Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Date Received: 04/21/94

Time Received: 10:00

Date Sampled: 04/20/94

Client's Job #: D.O.0008/GAFB

Chain of Custody #: 1850-1853

Report Date: 04/27/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)	TRPH Analysis Date	TRPH (PPM)
35504	GAFB-10-350-SPA/RB	Water	04/26/94	<.005	<.005	<.005	<.015	<0.03	04/27/94	< .5
										•

Analytical Methods: BTEX in Soil or Water - 8020; TRPH in Water - 418.1; TRPH in Soil - 9071/418.1



Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Date Received: 04/21/94

Time Received: 10:00 Date Sampled: 04/20/94 Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853

Report Date: 04/27/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)	TRPH Analysis Date	TRPH (PPM)
35505	6851 GAFB-10-350-SPA	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35506	6850 GAFB-10-350-SPA/QC	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35507	6863 GAFB-10-350-SPB	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	130.
35508	6848 GAFB-10-350-SPC	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	130.
35509	6862 GAFB-10-350-SPD	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35510	6847 GAFB-10-350-SPE	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	96.
35511	6757 GAFB-10-350-SPF	Soil _.	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	360.
35512	6849 GAFB-10-350-SPG	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	79.

Approved By:

Analytical Methods: BTEX in Soil or Water - 8020; TRPH in Water - 418.1; TRPH in Soil - 9071/418.1

Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Client's Job #: D.O.0008/GAF

COC #: 1850-1853

Report Date: 04/27/94

Chemron's Job #: 4124

Date & Time Received:

04/21/94, 10:00

Date Sampled: 04/20/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	Date Analyzed	Total Lead (PPM)
75504	GAFB-10-350-SPA/RB	Water	04/27/94	< .03
\pproved	By:			

Analytical Methods: 7420/6010



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Date Received: 04/21/94 Time Received: 10:00 Date Sampled: 04/20/94 Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853 Report Date: 04/27/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)	TRPH Analysis Date	TRPH (PPM)
35513	6853 GAFB-10-350-SPH	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	140.
35514	6854 GAF8-10-350-SPI	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	29.
35515	6740 GAFB-10-350-SPJ	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	480.
35516	6852 GAFB-10-350-SPK	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	210.
35517	6856 GAFB-10-350-SPL	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	38.
35518	6894 GAFB-10-350-08-BH	Soil	04/26/94	2.5	21.	6.0	33.	62.5	04/26/94	< 10.
35519	6745 GAFB-10-350-08-BH/QC	Soil	04/26/94	1.5	11.	3.0	18.	33.5	04/26/94	< 10.
35520	6911 GAFB-10-350-09-BH	Soil	04/26/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	86.
35521	6905 GAFB-10-350-10-BH	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	3800.
35522	6901 GAFB-10-350-11-BH	Soil	04/25/94	< .4	< .4	< .4	2.0	2.0	04/26/94	6500.

Approved By:

CHEMRON INCORPORATED

10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 COC #: 1850-1853

Client's Job #: D.O.0008/GAF

Report Date: 04/29/94 Chemron's Job #: 4124

Date & Time Received: 04/21/94, 10:00

Date Sampled: 04/20/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	Date Analyzed	Total Lead (PPM)
5505	6851 GAFB-10-350-SPA	Soil	04/27/94	11.
35506	6850 GAFB-10-350-SPA/QC	Soil	04/27/94	8.9
;5507	6863 GAFB-10-350-SPB	Soil	04/27/94	27.
35508	6848 GAFB-10-350-SPC	Soil	04/27/94	31.
5509	6862 GAFB-10-350-SPD	Soil	04/27/94	31.
75510	6847 GAFB-10-350-SPE	Soil	04/27/94	29.
35511	6757 GAFB-10-350-SPF	Soil	04/27/94	18.
5512	6849 GAFB-10-350-SPG	Soil	04/27/94	26.

Analytical Methods: 7420/6010



Client: Perry Williams, Inc.

P. O. Box 30206

Amarillo, TX 79120

Client's Job #: D.O.0008/GAF

COC #: 1850-1853

Report Date: 04/29/94

Chemron's Job #: 4124

Date & Time Received: 04/21/94, 10:00

Date Sampled: 04/20/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	Date Analyzed	Total Lead (PPM)
75513	6853 GAFB-10-350-SPH	Soil	04/27/94	32.
35514	6854 GAFB-10-350-SPI	Soil	04/27/94	17.
:5515	6740 GAFB-10-350-SPJ	Soil	04/27/94	19.
35516	6852 GAFB-10-350-SPK	Soil	04/27/94	20.
;5517	6856 GAFB-10-350-SPL	Soil	04/27/94	27.
75518	6894 GAFB-10-350-08-BH	Soil	04/27/94	5.9
35519	6745 GAFB-10-350-08-BH/QC	Soil	04/27/94	5.5
15520	6911 GAFB-10-350-09-BH	Soil	04/27/94	15.
35521	6905 GAFB-10-350-10-BH	Soil	04/27/94	8.9
15522	6901 GAFB-10-350-11-BH	Soil	04/27/94	10.

Approved By: R. Clumum

Analytical Methods: 7420/6010



Client: Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

Date Received: 04/21/94

Time Received: 10:00
Date Sampled: 04/20/94

Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853

Report Date: 04/27/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)	TRPH Analysis Date	TRPH (PPM)
35523	6898 GAFB-10-350-08-NWW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	70.
35524	6747 GAFB-10-350-08-NEW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	29.
35525	6897 GAFB-10-350-11-SWW	Soil	04/25/94	< .4.	< .4	< .4	< 1.2	<2.4	04/26/94	16.
35526	6896 GAFB-10-350-11-SEW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	101.
35527	6890 GAFB-10-350-08-EW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	74.
35528	6765 GAFB-10-350-09-EW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35529	6741 GAFB-10-350-10-EW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35530	6841 GAFB-10-350-11-EW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35531	6893 GAFB-10-350-08-WW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.
35532	6908 GAFB-10-350-09-WW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.

Approved By:

CHEMRONINCORPORATED

10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Client's Job #: D.O.0008/GAF COC #: 1850-1853

Report Date: 04/29/94

Chemron's Job #: 4124

Date & Time Received: 04/21/94, 10:00

Date Sampled: 04/20/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	Date Analyzed	Total Lead (PPM)
÷5523	6898 GAFB-10-350-08-NWW	Soil	04/27/94	38.
35524	6747 GAFB-10-350-08-NEW	Soil	04/27/94	28.
5525	6897 GAFB-10-350-11-SWW	Soil	04/27/94	6.9
35526	6896 GAFB-10-350-11-SEW	Soil	04/27/94	8.5
J 5527	6890 GAFB-10-350-08-EW	Soil	04/27/94	56.
5528	6765 GAFB-10-350-09-EW	Soil	04/27/94	6.5
35529	6741 GAFB-10-350-10-EW	Soil	04/27/94	14.
;5530	6841 GAFB-10-350-11-EW	Soil	04/27/94	6.4
35531	6893 GAFB-10-350-08-WW	Soil	04/27/94	9.7
5532	6908 GAFB-10-350-09-WW	Soil	04/27/94	5.7

Approved By: 7. elchan

Analytical Methods: 7420/6010



Client: Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Date Received: 04/21/94 Time Received: 10:00 Date Sampled: 04/20/94 Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853 Report Date: 04/27/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)	TRPH Analysis Date	TRPH (PPM)
35533	6891 GAFB-10-350-10-WW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	780.
35534	6888 GAFB-10-350-11-WW	Soil	04/25/94	< .4	< .4	< .4	< 1.2	<2.4	04/26/94	< 10.

Approved By:

Analytical Methods: BTEX in Soil or Water - 8020; TRPH in Water - 418.1; TRPH in Soil - 9071/418.1

Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Client's Job #: D.O.0008/GAF

COC #: 1850-1853

Report Date: 04/29/94

Chemron's Job #: 4124

Date & Time Received: 04/21/94, 10:00

Date Sampled: 04/20/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	Date Analyzed	Total Lead (PPM)
-5533	6891 GAFB-10-350-10-WW	Soil	04/27/94	6.4
35534	6888 GAFB-10-350-11-WW	Soil	04/27/94	6.1

Approved By: 7. Olyman

Analytical Methods: 7420/6010



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853 Report Date: 05/02/94

QUALITY ASSURANCE REPORT

			Spike				Control	Limits	Relative %	
Description / Parameter	Matrix	Analysis Date	Concentration	Analyzed Value	Background Value	% Recovery	Lower	Upper	Difference	Control Limit
	 _			<u> </u>						
MS - TPH	Soil	04/26/94	535	432	16	78%	75%	125%	2%	<30%
MSD - TPH	Soil	04/26/94	535	445	16	80%	75%	125%	2%	<30%
MS - TPH	Soil	04/26/94	599	548	<120	91%	75%	125%	2%	<30%
MSD - TPH	Soil	04/26/94	599 ·	532	<10	89%	·75%	125%	2%	<30%
MS - TPH	Soil	04/26/94	516	433	<10	84%	75%	125%	6%	<30%
MSD - TPH	Soil	04/26/94	516	466	<10	90%	75%	125%	6%	<30%
MS - TPH	Soil	04/26/94	535	635	29	113%	75%	125%	10%	<30%
MSD - TPH	Soil	04/26/94	535	578	29	103%	75%	125%	10%	<30%
MS · TPH	Soil	04/26/94	535	573	44	99%	75%	125%	5%	<30%
MSD - TPH	Soil	04/26/94	535	601	44	104%	75%	125%	5%	<30%
MS - Lead	Soil	04/27/94	100	115.3	27.8	87.5	75%	125%	4.4%	<30%
MSD - Lead	Soil	04/27/94	100	119.2	27.8	91.4	75%	125%	4.4%	<30%
MS - Lead	Soil	04/27/94	100	95.6	<1.5	95.6	75%	125%	.31%	<30%
MSD - Lead	Soil	04/27/94	100	95.3	<1.5	95.3	75%	125%	.31%	<30%
MS - Lead	Soil	04/27/94	100	98.8	<1.5	98.8	75%	125%	3.2%	<30%
MSD - Lead	Soil	04/27/94	100	95.7	<1.5	95.7	75%	125%	3.2%	<30%
MS · Lead	Soil	04/27/94	100	115.3	27.8	87.5	75%	125%	4.4%	<30%
MSD - Lead	Soil	04/27/94	100	119.2	27.8	91.4	75%	125%	4.4%	<30%
MS - Lead	Soil	04/27/94	100	95.6	<1.5	95.6	75%	125%	.31%	<30%
MSD - Lead	Soil	04/27/94	100	95.3	<1.5	95.3	75%	125%	.31%	<30%
MS - Lead	Soil	04/27/94	100	98.8	<1.5	98.8	75%	125%	3.2%	<30%
MSD - Lead	Soil	04/27/94	100	95.7	<1.5	95.7	75%	125%	3.2%	<30%
MS - Lead	Soil	04/27/94	100	97.1	<1.5	97.1	75%	125%	0%	<30%
MSD - Lead	Soil	04/27/94	100	97.1	<1.5	97.1	775%	125%	0%	<30%
MSD - Lead	Soil	04/27/94	100	83.1	6.0	77.1	75%	125%	.4%	<30%
MSD - Lead	Soil	04/27/94	100	83.4	6.0	77.4	75%	125%	.4%	<30%
						-			<u> </u>	



Client: Perry Williams, Inc. P. O. Box 30206 Amarillo, TX 79120 Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853 Report Date: 05/02/94

QUALITY ASSURANCE REPORT

•			Spike				Control	Limits	Relative %	
Description / Parameter	Matrix	Analysis Date	Concentration	Analyzed Value	Background Value	% Recovery	Lower	Upper	Difference	Control Limit
MS - Benzene	Water	04/26/94	50	45.6	< 5	91%	<i>7</i> 5%	125%	2%	<30%
MS - Toluene	Water	04/26/94	50	49.2	<5	98%	75%	125%	2 <i>%</i> 4%	<30%
MS - Ethylbenzene	Water	04/26/94	50	45.6	<5	91%	75%	125%	8%	<30%
MS - Xylenes	Water	04/26/94	150	140.63	<15	94%	75% 75%	125%	5%	<30%
MSD - Benzene	Water	04/26/94	50	50.4	<5	101%	75%	125%	2%	<30%
MSD - Toluene	Water	04/26/94	50	51.6	<5	101%	75% 75%	125%	2% 4%	<30%
MSD - Ethylbenzene	Water	04/26/94	50	48	<5	96%	75% 75%	125%	4 <i>%</i> 8%	<30%
MSD - Xylenes	Water	04/26/94	150	148.36	<15	99%				
RGT - Blk Benzene	Water		150		<15	99%	75%	125%	5%	<30%
RGT - Blk Toluene		04/26/94		<5 -5						
	Water	04/26/94		<5						
RGT - Blk Ethylbenze	Water	04/26/94		<5 ~						
RGT - Blk Xylenes	Water	04/26/94		< 5						
MS - TPH	Water	04/27/94	6.155	5.6	<.05	91%	75%	125%	2%	<30%
MSD - TPH	Water	04/27/94	6.155	5.5	<.05	89%	75%	125%	2%	<30%
Blk - TPH	Water	04/27/94		<.05						•
MS - LEAD	Water	04/27/94	2	2.151	<.03	107.	75%	125%	.2%	<30%
MSD - LEAD	Water	04/27/94	2	2.148	<.03	107.	75%	125%	.2%	<30%
MS - Lead	Water	04/27/94	2	2.151	<.03	107.	75%	125%	.2%	<30%
MSD - Lead	Water	04/27/94	2	2.148	<.03	107.	75%	125%	.2%	<30%
MS - Lead	Water	04/27/94	2	2.151	<.03	107.	75%	125%	.2%	<30%
MSD - Lead	Water	04/27/94	2	2.148	<.03	107.	75%	125%	.2%	<30%

Concentration Units: Soil / Sediments - mg/kg and Water - ug/L

Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Client's Job #: D.O.0008/GAF8
Chain of Custody #: 1850-1853

Report Date: 05/02/94

QUALITY ASSURANCE REPORT

Description / Parameter	Matrix	Analysis Date	Spike Concentration	Analyzed Value	Background Value	% Recovery	Control Lower	Limits Upper	Relative % Difference	Control Limit
							·			
MS - BENZENE	Soil	04/25/94	4.16	4.0	<.4	96%	75%	125%	5%	<30%
MS - TOLUENE	Soil	04/25/94	4.16	4.0	<.4	96%	75%	125%	5%	<30%
MS - ETHYLBENZENE	Soil	04/25/94	4.16	3.9	<.4	94%	75%	125%	4%	<30%
MS - XYLENE	Soil	04/25/94	12.5	12.04	<1.2	96%	75%	125%	6%	<30%
MSD - BENZENE	Soil	04/25/94	4.16	4.2	<.4	101%	75%	125%	5%	<30%
MSD - TOLUENE	Soil	04/25/94	4.16	4.2	<.4	101%	75%	125%	5%	<30%
MSD - ETHYLBENZENE	Soil	04/25/94	4.16	4.1	<.4	98%	75%	125%	4%	<30%
MSD - XYLENE	Soil	04/25/94	12.5	12.71	<1.2	102%	75%	125%	6%	<30%
RGT - BLANK BENZENE	Soil	04/25/94		<.4						4
RGT - BLK TOLUENE	Soil	04/25/94		<.4						
RGT - BLK ETHYLBENZ	Soil	04/25/94		<.4						
RGT - BLK XYLENE	Soil	04/25/94		<.4						

Concentration Units: Soil / Sediments - mg/kg and Water - ug/L



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853 Report Date: 05/02/94

QUALITY ASSURANCE REPORT

			Spike				Control	Limits	Relative %	
Description / Parameter	Matrix	Analysis Date	Concentration	Analyzed Value	Background Value	% Recovery	Lower	Upper	Difference	Control Limit
MS - BENZENE	Soil	04/26/94	4.16	3.9	<.4	94%	75%	125%	2%	<30%
MS - TOLUENE	Soil	04/26/94	4.16	3.9	<.4	94%	75%	125%	4%	<30%
MS - ETHYLBENZENE	Soil	04/26/94	4.16	3.7	<.4	89%	75%	125%	8%	<30%
MS - XYLENE	Soil	04/26/94	12.5	11.48	<1.2	92%	75%	125%	5%	<30%
MSD - BENZENE	Soil	04/26/94	4.16	4	<.4	96%	75%	125%	2%	<30%
MSD - TOLUENE	Soil	04/26/94	4.16	4.1	<.4	98%	75%	125%	4%	<30%
MSD - ETHYLBENZENE	Soil	04/26/94	4.16	4	<.4	96%	75%	125%	8%	<30%
MSD - XYLENE	Soil	04/26/94	12.5	12.13	<1.2	97%	7 5%	125%	5%	<30%
RGT - BLANK BENZENE	Soil	04/26/94		<.4						•
RGT - BLK TOLUENE	Soil	04/26/94		<.4						
RGT - BLK ETHYLBENZ	Soil	04/26/94		<.4						
RGT - BLK XYLENE	Soil	04/26/94	•	<.4						
MS - Benzene	Soil	04/26/94	4.16	3.4	<.4	82%	75%	125%	10%	<30%
MS - Totuene	Soil	04/26/94	4.16	3.5	<.4	84%	75%	125%	11%	<30%
MS - Ethylbenzene	Soil	04/26/94	4.16	3.3	<.4	79%	75%	125%	11%	<30%
MS - Xylene	Soil	04/26/94	12.5	10.29	<1.2	82%	75%	125%	10%	<30%
MSD - Benzene	Soil	04/26/94	4.16	3.8	<.4	91%	75%	125%	10%	<30%
MSD · Toluene	Soil	04/26/94	4.16	3.9	<.4	94%	75%	125%	11%	<30%
MSD - Ethylbenzene	Soil	04/26/94	4.16	3.7	<.4	89%	75%	125%	11%	<30%
MSD - Xylene	Soil	04/26/94	12.5	11.39	<1.2	91%	75%	125%	10%	<30%
RGT - Blk Benzene	Soil	04/26/94		<.4						
RGT - Blk Toluene	Soil	04/26/94		<.4						
RGT · Blk Ethylbenze	Soil	04/26/94		<.4						
RGT - Blk Xylenes	Soil	04/26/94		<.4						



Client: Perry Williams, Inc.
P. O. Box 30206
Amarillo, TX 79120

Client's Job #: D.O.0008/GAFB Chain of Custody #: 1850-1853 Report Date: 05/02/94

QUALITY ASSURANCE REPORT

Description / Parameter	Matrix	Analysis Date	Spike Concentration	Analyzed Value	Background Value	% Recovery	Control Limits		Relative %	
							Lower	Upper	Difference	Control Limit
										
MS - Benzene	Soil	04/26/94	4.16	3.4	<.4	82%	75%	125%	4%	<30%
MS - Toluene	Soil	04/26/94	4.16	3.4	<.4	82%	75%	125%	4%	<30%
MS - Ethylbenzene	Soil	04/26/94	4.16	3.3	<.4	79%	75%	125%	4%	<30%
MS - Xylene	Soil	04/26/94	12.5	10.3	<1.2	82%	75%	125%	2%	<30%
MSD - Benzene	Soil	04/26/94	4.16	3.3	<.4	79%	75%	125%	4%	<30%
MSD - Toluene	Soil	04/26/94	4.16	3.3	<.4	79%	75%	125%	4%	<30%
MSD - Ethylbenzene	Soil	04/26/94	4.16	3.4	<.4	82%	75%	125%	4%	<30%
MSD - Xylene	Soil	04/26/94	12.5	10.45	<1.2	84%	75%	125%	2%	<30%
RGT - Blk Benzene	Soil	04/26/94		<.4						,
RGT - Blk Toluene	Soil	04/26/94		<.4						
RGT - Blk Ethylbenze	Soil	04/26/94		<.4						
RGT - Blk Xylenes	Soil	04/26/94		<.4						
MS - Benzene	Soil	04/26/94	4.16	3.8	<.4	91%	75%	125%	3%	<30%
MS - Toluene	Soil	04/26/94	4.16	3.9	<.4	94%	75%	125%	2%	<30%
MS - Ethylbenzene	Soil	04/26/94	4.16	3.8	<.4	91%	75%	125%	3%	<30%
MS - Xylene	Soil	04/26/94	12.5	11.79	<1.2	94%	75%	125%	3%	<30%
MSD - Benzene	Soil	04/26/94	4.16	3.9	<.4	94%	75%	125%	3%	<30%
MSD - Toluene	Soil	04/26/94	4.16	4.9	<.4	96%	75%	125%	2%	<30%
MSD - Ethylbenzene	Soil	04/26/94	4.16	3.9	<.4	94%	75%	125%	3%	<30%
MSD - Xylene	Soil	04/26/94	12.5	12.15	<1.2	97%	75%	125%	3%	<30%
RGT - Blk Benzene	Soil	04/26/94		<.4						
RGT · Blk Toluene	Soil	04/26/94		<.4						
RGT - Bik Ethylbenze	Soil	04/26/94		<.4						
RGT - Blk Xylenes	Soil	04/26/94		<.4						



10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

•	/ /	SAMPLE LO	GIN CHECKL	IST		•
ŗ\TE: _	4/21/94	TIME:	2,00	_ INITIALS:	mus	5
CLIENT:	PWI	· .	Projec	ct:		
: Is a	Chain of Custody p	resent?		Yes	Мо	
2. Is t	the Chain of Custody	properly	completed?	Yes) No	·
Are	custody seals prese	nt?		Yes	NO	
If	f yes, are they inta	ct?		Yes	No	(N/A)
If	f yes, are they on s	ample	_ or on	Ice Chest		
. Are	all samples tagged	or labelle	ed?	Yes) No	
Do	the labels match t	he Chain d	of Custody	? Yes) No	N/A
	all shipping documentie. number of coole		d vs. on t	Yes ickets, if no	1	N/A) ribe below)
. Del:	ivery Agent \mathscr{L}	WI				·
7. Cond	dition of shipping o	ontainer:	Juta	et		
. Cone	dition and Temperatu	ire of Sam	oles:	Intact o	4°C	
٠,	samples preserved p	properly?		Aes	Ои	
10. Ar	e all samples within	n holding	time on ar	rival? Yes	Ои	
.1. Sa	mple disposal: Retu	ırn to Cli	ent	Chemron	dispos	al
Commen	ts (reference check)	list item	number):			
Client	Contact for Resolut	tion:				
Name:	· · · · · · · · · · · · · · · · · · ·	Phone	Fax	Date & 1	'ime	
Retry	for Contact:					
Vame:		Phone	Fax	Date & T	'ime	



									V	1 ~ (1 ,							
Project Manager:	PWI				•	Phon	° # (800)	445-1249				N OF C	USTO	DY R	ECOR	D		
Address: 2700 5.		on A	MAR	110,	7%	FAX 7912	0 (806)	371-0340		_						_		
Project Number:	08					Project	ct Name: AFB · 10 ·	350										,
Project Location: SAN N	IARCO.	SVX				Samo	eler Signature:	1885										
ID # LAB USE ONLY	 .	pling E E	Matrix [s,w,f]	Composite	Grab	Boring	FIELD ID#	FIELD DE	SCRIPTIO	DΝ	No. of Containers		LYSIS	/	JARO /	//		REMARKS Preservation, Stze/Amount, Etc.)
35503	20/1/294	17:50	W	<u> </u>	~		·	TRIP BLAI	VK		2	~						40rd Va4
35504	/_	17:55	W	<u>~</u>				6AFB-10-350	1.5pA/	RB_	4	V	~	レ				SEENOTE
35505	<u> </u>	18:00	5	V			6851		SPA		1		~	<u> </u>				402 SFALED
35506	Ц	18:00	1		_		685D		. SPA/B	<u> 2</u>								
35507	Ц	18:05	1			lacksquare	6863		, 50B			+				_		
35508	\Box	18:10	Ц	7	<u> </u>	<u> </u>	6848		· 5PC		\Box		\bot					
35509	\perp	18:15	\Box	\Box			6862		·SPD	. _	Ш	\perp	\perp					
35510		18:20	\Box				6847		SPE					\perp				
3551/		18:25	\sqcup	$\perp \perp$		$igsqcup_{-}$	6757		·spF		$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$							
35512		18:30	1				6849		·5P6		1	*	10	<i>y</i>				
Relinquished by:	(Signatur	506	•		1	Date 7/14/9	74 9-30	Received by: [Signature	·]	Remar			٦	Yes	No	1		1
Relinquished by:	(Signatur	e]				Date	Time	Received by: (Signature	,]	Head Prop	•	e Sealed		N	1		Yes, A No, Ex	mt. plain
Relinquished by:	(Signetu _l	re]		•		Date	Time	Received by: [Signature	»]	Chill	ed to	40°F		N		Πıf	No. Te	mp.
Relinquished by:	(Signatur	e]	-			Date	Time	Received by: [Signature)]	Type Addi	of C	Containe al comm	r <u>A</u> lle ents:	TF "	<i>12) 4</i> 1	<u>Ded VO.</u> 1.1.4 An	't w H bez w	HEL TRPH JANO3 LEAD
Relinguished by:	[Signatur	·e]				Date //2/94	i i	Received for Leberatory Signature	7 ov:						1 ; 2:	50ml p	Jastic V	JANOZ LEAD



Project Manager:	WI			-		Phone	° *(800) 4	45-1249		J.CH	ΑII	N OF C	USTC	DY F	ECOR	D					
Address:	wilso	K)	_			FAX	#: (Bab) 3	371-0340													
Project Number:						Projec	ct Name:	10.350													
Project Jocation:	1000	C 7				Samp	les Sigratures	182	-												
		<u> </u>		_			- y. ova	7 ,000		<u> </u>											
ID#	Sam	pling	[s,w,f]	site							Container	ANA	LYSI	<u> </u>		—/			<u>' </u>		
LAB USE ONLY	Date	Time	Matrix [s	Composite	Grab	Boring	FIELD ID#	FIELD DES	SCRIPTION		or Cont					//					20 = 1 2-1 3-1 3-1
		-	Ma	၁						Ž			<u>~</u>		Y		<u>_</u>	(Presi	REM ervation, St	MARK 29/Amou	(S int, Etc.)
35513	WAR 94	18:35	5	1			6853	GAFB-10-350	o. SpH	1	2	V	V	V						Z SE	
35514	1/	18:40					6854	<u> </u>	·SPI	/										/	and the
35515		18:45		\prod			6740		·5PJ					Ц_							2 to 1/2
35516	Ш	18:50					6852		· SPK		\perp		\bot							•	
35517		18:55		1			6856	<u> </u>	·SPL		┵	1	\perp								, 5 ³
35518	Ц	4:05			V		6894	GAFB-10.350	· 08.BH			\perp					1		والمستعاض المستعاض ا	7	
35519		19:05			/		6745		·08·BH/	ac	Ц	igspace								7	
35520		19:10					6911		.09.BH		Ц						\perp				
35521		M:15	1		\Box		6905		· 10 · BH		Ц									┵	V.21
35522	1	19:20	*		1		6901		· 11.13H	*		*		*			1			<u>#</u>	
Relinquished by:	Signatur	of the second			. 7	Date	Time 94 9.'30	Received by: (Signature	P	Remarks:			٢	Yes	No	71			_	,	
Relinquished by:	(Signatur	e)			Т	pate	Time	Received by: [Signature)	Headsp			}	N	+			•	^{t.} —		
Relinquished by:	[Signatur	el			+	Date	Time	Received by: [Signature	<u>, </u>	Properl	•		-		+-				ain		
,		- <i>•</i>	٠				,,,,,,			Chilled			L	V			IT NO,	. I em	p		
Relinquished by:	[Signatur	e]				Date	Time	Received by: [Signature	a]	Type of											
	<u> </u>				\perp					Additio	ona	ı comm	ents:								
Refinguished by:	(Signatur	e]				Pata 1/21/9	Time 14 /000	Received for Laboratory Signature				· · · · · · · · · · · · · · · · · · ·									

COC #:

1851



									,	700	
Project Manager:	PWI					Pho	one # (800)	445-1249) CHAI	N OF CUSTODY REC
Address: 2700 5. W	ilson					FA		71-0340		•	
Project Number:						Pro	Ject Name:				
Project Location:	ALCOS					San	noter Signature:	1506			
	Sam	pling	/, f]	e e						Jers	ANALYSIS
ID # LAB USE			x [s,	Composite	rab	ring	FIELD	FIFLD DF	SCRIPTION	Contair	1/./
ONLY	Date	Time	Matrix	Cou	ט	B	ID#			0 of C	
				i					_	ž	

COC #:

ORD

ID#	# Sampling × 21515									Container	-	777				/			5/			
LAB USE ONLY		Date	Time	Matrix [s,w,	Composite	Grab	Boring	FIELD ID#	FIELD DESCRIPTION	ON	70		,			EHL	//	//		55.		
			_	Σ̈́							ò			<u> </u>	<u>Y</u>	y		<u>/</u> ;	(Pres	REM ervation, Size		
<i>355</i> 23	204	a	19:25	5		V		6898	GAFB · 10 · 350 · 08 · N	INW	1		/	V	7			V		402	TEA	ED
35524	_/		M:30	1		/		6747	· 08 · N	EW	1		/	_/_	/				<u> </u>			
35525	\int		19:35					6897	.11.51	vw	\prod			\perp					<u> </u>			- 1
35526			19:40			\mathcal{T}		6896	·11.5E	EW	Ц											
35527			19:45					6890	· 68 · E	W	Ц											
<i>355</i> 28			14.50			_\		6765	·09. EM	/											\	
35529			19:55					6741	·10 · Eu	<u>,</u>												
35530			20:00					6841	· II. EV	/		$oldsymbol{\perp}$										
3553/			70:05	\bot		Д		6893	, 08·W	W	\Box											
35532		,	20:10	1		1		6908	· 09 . W	w	1	1						*				
Relinquished by:	[Sign	$^{\prime\prime}$ \sim	-			Ţ	Date.		Received by: [Signature]	Remar	ks:		-	. —	Yes	N	0		•			
Relinguished by:	1		78			_	Det		Received by: [Signature]	Head	ispa	се		Γ		1	$\overline{}$	lf Ye	s. Am	t		
Heliubritued by:	(Siği	iature	,,			1	, Date		Hacaived by. (Signature)	J	•	Seal	ed	ľ	~					lain		
Relinquished by:	Sign	nature	•]			十	Date	e Time	Received by: [Signature]	1	•	to 40		ļ	N	1		If No	. Tem	p	,	
·										Туре				. 	· ·	- 			,			- ;
Relinquished by:	[Sign	ature	•]			1	Date	e Time	Received by: [Signature]	Addi												al . Maria leve
Dalla - A bank i sa	lete					_	Det	e Time	Received for Laboratory by;		LIUI	iui co	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	t.				-				
Refinquished by:	(51gi	nature	,1			ار	Dati VIE	<i>l</i>	Signature Laboratory Dy													
·							11-11	171 1000 1	and the second	!					 "			<u>,</u>		-		



Project Manager:	PWI					Pho	one #	(80)	445-1249	1	c	:HAI	N OF C	USTC	DY R	RECOF	RD.					
Address: 2700 5. Project Number: Do#.'000 Project Location: SAN MA	111/50	on			_	Pro	X#:		371-0340 0.350	1	_	,,,,,,		00.0								
DATY / WY	$\frac{\omega}{1}$	<u> </u>	=	=		=	Ħ	enae	7.00	1										/ /		_
ID # LAB USE ONLY	Date	Time Time	Matrix [s,w,f]	Composite	Grab	Boring	F	FIELD ID#	FIELD DE	ESCRIPTIO	N	No. of Containers		LYSIS	/	EN	/		(Pres	REMA	ARKS Amount, Et	E.)
35533	2016 G	20:15	,5		V		6	89/	GAF13.10.3	350·10·n	rW	1	V	V	V					· · · · · ·	SEALE	
35534	1 7 7	20:20	\Box	\Box	V			888		·//·и		1	N	V								
,				\Box				<u> </u>		:										Ĭ .		
			\Box		\Box	\Box			1											Ī —		
			$\vdash \vdash$	\Box	\Box							一										_
		 		\Box					+			一						 	 	<u> </u>		
	-	 	$\vdash \vdash$	1	$\overline{}$	\vdash			 			-					\square	 -	 		····	_
	 	 -	\vdash	H	H							$\vdash \vdash$						 				÷
	 	 '	\vdash	1	H	-										 	 '	 '				
	 	 '	$\vdash \vdash$		\vdash				 			\vdash			-	 	<u>_</u>	 '	 			
	لـــــا	<u> </u>	$oxed{oxed}$			ليا						Ш					<u></u> '	<u> </u>		<u> </u>		_
Relinquished by:	Soto	9			4	Dat Apr		7:30	Received by: [Signatur		Remarl			Γ	Yes	No	<u></u>	If Va	· • • •			
Relinquished by:	Signature	e]			\Box	/ Dat		Time	Received by: [Signatur	re]	Head	•		+		+			·	t		
	***	 -			\dashv		_		Received by: [Signatur	1	'		Sealed	}	1/		_	If No	, Expl	ain p		:
Relinquished by:	Signature	a]				Dat	Te	Time	Received by: [Signatur	re)	Chille	ed to	40°F	L		Щ		If No	, Tem	p		
Relinquished by:	Signatur	el .			+	Dat	te	Time	Received by: [Signatur	ire]	Type	of C	Containe	r							 .	
Homiquisies 5,	(Orginate)	"									Addi	tiona	al comm	ents:					•			
Relinquished by:	[Signature	e)			1	Pat	/	Time	Received for Laborator Signature	,ryby												
					1/	41 a 1/	100	INAAA	· · · · · / / / / / / / / / / / / / / /	<i>7</i> 2>	4											

coc #: 1853



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

Amarillo, TX 79120

P.O. Box 30206

Project Name:

GAFB

Location: Site#: 4-351, 10-350

DO#: 0008

Date Sampled:

4/30/04

Date Received:

4/30/94

Sample Type:

Soil

Sample Condition:

Intact-Chilled

Sample Rec'd By:

RB

C-O-C#

NA

Lab ID#	Field Code Description	TCLP Lead T Analysis Date	CLP Lead mg/L
405045-4	GAFB-10-350-PI-1	6/4/94	<0.1
405045-5	GAFB-10-350-PI-2	6/4/94	<0.1
405045-6	GAFB-10-350-PI-3	6/4/94	<0.1
405045-8	GAFB-4-351-PI-2	6/4/94	<0.1

LEAD QC:

Standard Recovery(%) 113 Spike Recovery(%) 110 Duplicate(%Diff) 14 Blank <0.1

METHODS: TCLP LEAD-EPA SW 846-7421 with 1311

Rick Baker

Lab Director

6/4/94

Date



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

P.O. Box 30206

Amarillo, TX 79120

Project Name:

GAFB

Location: Site#: 4-351, 10-350

DO#: 0008

Date Sampled:

4/30/94 4/30/94

Date Received: Sample Type:

Soil/Water*

Sample Condition:

Intact-Chilled

Sample Rec'd By:

RB

C-O-C#

-C# NA

Lab ID#	Field Code Description	TRPH Analysis Date	TRPH ppm	BTEX Analysis Date	Benzene ppm	Toluene ppm	Ethyl Benzene ppm	Xylenes ppm	TOTAL BTEX	Total Lead Analysis Date	Total Lead ppm
· · · · · · · · · · · · · · · · · · ·											
404045-1*	TRIP BLANK		,	5/6/94	<0.005	<0.005	<0.005	<0.015	<0.030		
404045-2*	GAFB-10-350-PI-1/RB	5/6/94	<0.200	5/6/94	<0.005	<0.005	<0.005	<0.015	<0.030	5/5/94	<0.1 ु
404045-3	GAFB-10-350-PI-1/QC	5/6/94	14	5/6/94	<0.1	<0.1	<0.1	<0.3	<0.6	5/5/94	173.1
404045-4	GAFB-10-350-PI-1	5/6/94	105	5/6/94	<0.1	<0.1	<0.1	<0.3	<0.6	5/5/94	148.8
404045-5	GAFB-10-350-PI-2	5/6/94	<5	5/6/94	<0.1	<0.1	<0.1	<0.3	<0.6	5/5/94	108.1
404045-6	GAFB-10-350-PI-3	5/6/94	20	5/6/94	<0.1	<0.1	<0.1	<0.3	<0.6	5/5/94	173.4
404045-7	GAFB-4-351-PI-1	5/6/94	<5	5/6/94	<0.1	<0.1	<0.1	<0.3	<0.6	5/5/94	29.2
404045-8	GAFB-4-351-PI-2	5/6/94	305	5/6/94	<0.1	<0.1	<0.1	<0.3	<0.6	5/5/94	162.6

Thou 00				_	A. 1. A. (A.)	- " - "			
TRPH QC:	Standard Recovery(%)	98	BTEX Q	C:	Std Rec(%)	Spike Rec(%)	LEAD QC:	Standard Recovery(%)	
	Spike Recovery(%)	113		Benzene	103	108	•	Spike Recovery(%)	
	Duplicate(%Diff)	0		Toluene	100	104	•	Duplicate(%Diff)	
	Blank(Soil)	< 5		Ethyl Benzene	106	99		Blank(Soil)	
	Blank(Water)	<0.200		Xylenes	92	87		Blank(Water)	;
		•		Duplicate(%Diff	n	Blank			
				0	,	< 0.005			

METHODS: BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Baker

Lab Director

5/14/94

Date



ENVIRONMENTAL LABORATORIES, INC. 812 W. 9TH Amarillo, Texas 79101 (806) 376-7004

								Į¢	ر ک رفان	0-7004													1941 1941	
Project Manager:	F	W					Phone	e #	20)41.	5-1249					СНАІ	N OF	CUS ⁻	TODY	/ RFC	CORE	1			
Address: 2700 S. W				illo	אד	•	FAX #	180	6)37/	-0340					0, 1/1	14 01	000		1 124	JOI 12	•			.
Project Number:	8			<i></i>			Project	ct Ni	eme: '. 4.35	É CAFB-10.350														
Project Location:	05	, 7	7				Samp	ler's	Signature:	Sta					•									
ID# Lab Use Only		Samp		Matrix (s,w,f)	Composite	Grab	Boring		ield O#	Field Des	cri	iption		of Containers		alysis	/.	\ds.	_/		140	4/		
Offig		Date	Time	Mat	Ö			•	- "					No. of		67		END	/		(Pres	Rem ervation, Siz	e/Amount, etc.	· · · · · · · · · · · · · · · · · · ·
404045-13	04	0294	10:00	W		V		/	JA	TRIP BLAN.	K	•		2	/							40 m	I VOA	
-2	<u></u>		10:05	W	V			N	/A	GAFB-10-350	-/	PI·/		4	_ \unu_	L	<u></u>					1	NOTE	1
-3	1		10:10	5				<i>55</i>	41	6AFB.10.350	£	DI 1/A	<u>c</u>	/		17					ļ .	400	SEALED	
-4			10:10	4	_			5:	536	6AFB . 10 . 350	<u>.</u>	PI·1		($\downarrow (_ \mid$			ļ		ļ		
-5	Ц		10:15	7	\downarrow			5	516	6AFB · 10 · 350				Ц	_	1-1				ļ	<u> </u>			
-6	<u> </u>		10:20	1	\perp		\sqcup	5	546	GAFB . 10 . 350						11	1-1			<u> </u>	 			
-7		1	11:00	1				5	491	GAFB. 4.351	<u>L:,</u>	PI·I	04			1-/	\Box			ļ	ļ <u> </u>			
-8	<u> </u>	<u>/</u>	11:05	1				59	163	GAFB. 4.351		PIL		1		1	1	_		ļ	ļ	<u> </u>		
	_											··- <u>·</u>			*	<u> </u>		_		<u> </u>	ļ	1		
						L.,	L_Ļ			<u> </u>						<u> </u>	<u></u>			<u> </u>	<u></u>			
Relinquished by: (Sig	natu	ire)	Sats			3	Date Aok	64	Time /2:00	Received by: (Signature)			Remar				Yes	No	<u> </u>					
Relinquished by: (Sig	natu	ire)	<i>p.</i> 2 7 0 .				Date	,	Time	Received by: (Signature)			Hea	•		•		-				7.4		
					 .	\dashv	Dete	-	Time	Received by: (Signature)	—		•	•	Sealed								1	
Relinquished by: (Sig	natu	ire)					- Jave	·	111,10	, leading by, (digitable e)					40°F			. 1				np	71245	
Relinquished by: (Sig	natu	ire)					Date	,	Time	Received by: (Signature)					Contair al com		101E :	40 m	SATE I Vo	= 62A A W/	WK td		BTEX	
Relinquished by: (Sig	natu	ıre)					1/30/9		Time Si 100P	Received for Laboratory Signature	7	Sela	(.5.011	55.11		ر ر 2 ز 2	1113 250 M	t Ambe	ge w/	Hel HNO		TPPH LEAD	100 A 100 A



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

P.O. Box 30206

Amarillo, TX 79120

Gary AFB

Location: Site#: 10-350

DO#: 0008

Date Sampled:

6/9/94

Date Received:

6/11/94

Sample Type: Sample Condition: Intact-Chilled

Soil/Water*

Sample Rec'd By:

TD

C-O-C# 1571, 1572

Lab ID#	Field Code Description	TRPH Analysis Date	TRPH	BTEX Analysis Date	Benzene	Toluene	Ethyl Benzene	•	TOTAL BTEX	Total Lead Analysis Date	Total Lead
Lab ID#	Description	Allalysis Date	ppm	Allalysis Dale	ppm	ppm	ppm	ppm	DIEX	Allalysis Dale	ppm 🚧
2601*	TRIP BLANK			6/11 <i>/</i> 94	<0.005	<0.005	<0.005	<0.015	<0.030		
2602*	GAFB-10-350-08-BH-OX/RB	6/16/94	<0.200	6/11 / 94	<0.005	<0.005	<0.005	<0.015	<0.030	6/14/94	< 0.1.
2603	GAFB-10-350-08-BH-OX	6/16/94	16705	6/11 / 94	4.35	7.96	13.38	57.35	83.04	6/14/94	< 5
2604	GAFB-10-350-10-BH-OX	6/16/94	1400	6/11/94	<0.1	<0.1	0.55	0.42	<1.17	6/14/94	<5 ₹
2605	GAFB-10-350-10-BH-OX/QC	6/16/94	1195	6/11 <i>/</i> 94	<0.1	<0.1	0.34	0.33	<0.87	6/14/94	<5 ॄ
2606	GAFB-10-350-10-WW-OX	6/16/94	<5	6/11 / 94	<0.1	<0.1	<0.1	<0.3	<0.6	6/14/94	7.5
2607	GAFB-10-350-11-BH-OX	6/16/94	10285	6/11 / 94	0.21	0.29	1.98	1.46	3.94	6/14/94	6.1
2608	GAFB-10-350-11-SEW-OX	6/16/94	<5	6/11 <i>/</i> 94	<0.1	<0.1	<0.1	<0.3	<0.6	6/14/94	<5
2609	GAFB-10-350-SPA-OX	6/16/94	6560	6/11 <i>/</i> 94	<0.1	0.34	0.55	2.32	<3.31	6/14/94	14.6
2610	GAFB-10-350-SPB-OX	6/16 <i>/</i> 94	870	6/11 / 94	<0.1	<0.1	<0.1	<0.3	<0.6	6/14/94	19.2
TDDU OO	Ohan danid Danasan (01)	•	DTEV 00		0.1540	0-11- D(0/1			•	15. (41)	
TRPH QC:			BTEX QC:		Std Rec(%))	LEAD QC:		ard Recovery(%)	112
	Spike Recovery(%)			Benzene		78 75			•	ke Recovery(%)	93
•	Duplicate(%Diff) Blank(Soil)			Toluene Ethyl Benzene		75 77				Duplicate(%Diff)	4
	, ,			•		7 <i>7</i> 76				Blank(Soil)	<5
	Blank(Water)	<0.200		Xylenes	95	76				Blank(Water)	<0.1
				Duplicate(%Diff	")	Blank				• •	
				0		<0.005					

METHODS: BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Baker

Lab Director

6/21/94 Date

Page 1 of 2



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

Project Name:

Amarillo, TX 79120

P.O. Box 30206

DO#: 0008

Location: Site#: 10-350

Date Sampled:

6/9/94

Date Received:

6/11/94

Sample Type: Soil/Water*

Sample Condition: Intact-Chilled

Sample Rec'd By:

TD

C-O-C# 1571, 1572

Field Code Description	TRPH Analysis Date	TRPH ppm_	BTEX Analysis Date	Benzene ppm	Toluene ppm	Ethyl Benzene ppm	Xylenes ppm	TOTAL BTEX	Total Lead Analysis Date	Total Lead ppm
	-	*								1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1 GAFB-10-350-SPC-OX	6/16/94	2260	6/11/94	<0.1	<0.1	0.47	1.09	<1.76	6/14/94	12.9
2 GAFB-10-350-SPD-OX	6/16/94	4230	6/11 <i>/</i> 94	<0.1	<0.1	0.45	<0.3	<0.95	6/14/94	9.4
3 GAFB-10-350-SPE-OX	6/16/94	< 5	6/11 / 94	<0.1	<0.1	<0.1	<0.3	<0.6	6/14/94	7.6
4 GAFB-10-350-SPF-OX	6/16/94	<5	6/11 <i>/</i> 94	0.39	1.82	1.35	8.62	12.18	6/14/94	5.7
	Description GAFB-10-350-SPC-OX GAFB-10-350-SPD-OX GAFB-10-350-SPE-OX	Description Analysis Date 1 GAFB-10-350-SPC-OX 6/16/94 2 GAFB-10-350-SPD-OX 6/16/94 3 GAFB-10-350-SPE-OX 6/16/94	Description Analysis Date ppm 1 GAFB-10-350-SPC-OX 6/16/94 2260 2 GAFB-10-350-SPD-OX 6/16/94 4230 3 GAFB-10-350-SPE-OX 6/16/94 <5	Description Analysis Date ppm Analysis Date GAFB-10-350-SPC-OX 6/16/94 2260 6/11/94 GAFB-10-350-SPD-OX 6/16/94 4230 6/11/94 GAFB-10-350-SPE-OX 6/16/94 <5 6/11/94	Description Analysis Date ppm Analysis Date ppm 1 GAFB-10-350-SPC-OX 6/16/94 2260 6/11/94 <0.1 2 GAFB-10-350-SPD-OX 6/16/94 4230 6/11/94 <0.1 3 GAFB-10-350-SPE-OX 6/16/94 <5 6/11/94 <0.1	Process Description Analysis Date ppm Analysis Date ppm ppm	Production Analysis Date ppm Analysis Date ppm Qo.1	Production Analysis Date ppm Analysis Date ppm p	Description Analysis Date ppm Analysis Date ppm ppm	Description Analysis Date ppm Analysis Date ppm ppm ppm ppm ppm ppm ppm BTEX Analysis Date 1 GAFB-10-350-SPC-OX 6/16/94 2260 6/11/94 <0.1 <0.1 0.47 1.09 <1.76 6/14/94 2 GAFB-10-350-SPD-OX 6/16/94 4230 6/11/94 <0.1 <0.1 0.45 <0.3 <0.95 6/14/94 3 GAFB-10-350-SPE-OX 6/16/94 <5 6/11/94 <0.1 <0.1 <0.1 <0.1 <0.1 <0.3 <0.6 6/14/94

TRPH QC:	Standard Recovery(%)	97	BTEX QC:	Std Rec(%)	Spike Rec(%)	LEAD QC: Standard Recovery(%)	115
	Spike Recovery(%)	117	Benzene	96	78	Spike Recovery(%)	108
	Duplicate(%Diff)	1	Toluene	93	75	Duplicate(%Diff)	4
	Blank(Soil)	<5	Ethyl Benzene	94	77	Blank(Soil)	< 5
			Xylenes	95	76		
			Duplicate(%Diff	f)	Blank		
			0		<0.005		

METHODS: BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Baker

Lab Director

6/21/94 Date

Page 2 of 2



431 Isom Rd., Suite 135 San Antonio, TX 78216 (512) 340-8121 (800) 572-6955

ORIGINAL CHAIN OF CUSTODY

Project Manager:	y v	Villie	m	<u> </u>	Γ'n	Pho	"(SCb)	373-5	5820		(СНА	IN OF C	USTO	DY RE	CORD	:		,	
2760 S V	Vilso	n-Ar	~C1	$\stackrel{/}{\tau}$	<u> </u>	FA:	X#: (XU6)	321-0)3 <i>4</i> 0											
Project Number:	B	<u>-</u>				Proj	ect Name: ARY AFB			l									1.	100 m 100 m 100 m
Project Location: SITE 10.						Sas	plet Signature	ols		!									i jir 1984 - 1984	
ID # LAB USE ONLY	Date Sau	npling E E	Matrix [s,w,f]	Composite	Grab	Boring	FIELD ID#	F	IELD DE	SCRIPTIO	N	No. of Containers	ANA	LYSIS				(Press	REMA	NKS
260	9 TWH	20:00	W		~		N/A	TRip	BLANK			2	4-						40 m/V	OM ·
Z	/	20:05	w	~			NA	GAFBI	0.350·C	B.BH.O	YRR_	4	<u>ا</u>	<u></u>	4				SEE NOT	Z ·
3	/	20!10	5				6290	GAFB.	16.350.0	B. BH.OX		1	L	~	~		ļ		402	SEMIEN
4	ļ	20:15	_				6281		<u>· · /e</u>	1. BH. 07	<u> </u>	1		/					/	
5	1	20:15	5	"			6268	 		·BH·OX	/ac	1	-(71	$\langle \cdot $					1 40,334
6		20:20	/				6Z 76	$\overline{}$. 10	1. WW .01		11			$\rightarrow \downarrow$		 		$\overline{}$	18
7	\perp	20:25	1		~		6273		· //	- BH.0)	۲	$\bot \bot$			-4		1		·	1.0
8		20:50	\Box		4		6282		1 .11	· SEW · O	X			_/_						188
9		20:35		4	\Box		6285	 /	<u> </u>	A·OX		\prod	/_	-/-	_/ _		<u> </u>		/	100 gr
10	1	20:40	1	ν			6291	1	' S g	B·OX		M	*	*	1					, s
Relinquished by: Relinquished by:	net	500	8		-}	Date Date	W84 18:00		oy: (Signature	·	ł	dspac	ce Sealed	F	Yes	No	If Yes		 ain	
Relinquished by:	(Signatu	re]			\top	Dat	e Time	Received b	y: [Signatur	e]	Chil	led t	o 40°F				If No.	-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Refinquished by:	Signatu	re]				Dat	e Time	Received b	oy: [Signature	e]	Add	ition	Containe al comm	ents: 🖊	Sorz:	Einger .	Black			
Relinquished by:	(Signatu	re]			6		Time 14 W.45	Received for Signature	or Laberator	y by:		}	iola sa	mple	GAA	B W.39	20 M	D-BH	1 - 0x	QA .



431 Isom Rd., Suite 135 San Antonio, TX 78216 (512) 340-8121 (800) 572-6955

ORIGINAL CHAIN OF CUSTODY

Project Location:	<u>y</u>	٠,	illia		· .		FAX # 791 Project	(806) 03 (XD6	313-5820 3371-0390 3		c	HAI	N OF C	USTO	DY R	ECORD	:			
ID # LAB USE ONLY		Date	pling Lime	Matrix [s,w,f]	Composite	Grab	Boring	FIELD ID#	FIELD	DESCRIPTIO	N	No. of Containers	ANA	LYSI:	/	AD/	//	(Press	REMARK:	S Etc.)
500 ()46	950	194	20:45	3	~			6280	6AFB-10-350	·Spc·ox		1	/	V	V				4 02 SEAL	
2612	_(20:50					6287		·SPD·OX				1						
13			20:55					6274		SPE DX		7		7						
14		4	21:00	*	<i>b</i>			6270	1 <i>1</i>	SPF.OX		1	*	<i>y</i>	4				•	
										,]				源省 有
					-			,											is a	
										-										
																				· 表现。第
									ļ	_										
Relinquished by: Mi Max Relinquished by:	7		Soto			> /	Date Jun 94 Date	7 / 8:00 Time	Received by: [Signat		Remark Head	spac	e Sealed		Yes	No	1	es, Am	t. ain	
Relinquished by:							Date	Time	Received by: [Signa		Chille	ed to		r r	Ţ	İ	1		p	
Relinquished by:					_		Date	Time	Received by: [Signar				l comm		<u>-</u>					
Relinquished by:	(Sig	natur	ej				7 11 194 11 194	Vi Ban	Received for Labera Signature	with										



Environmental Laboratories, Inc. 812 W. 9TH

Amarillo, Texas 79101 806-376-7004 Client:

Perry Williams Inc.

P.O. Box 30206

Amarillo, TX 79120

Project Name: Ga

Location: Site: 10-350

DO#: 0008

Date Sampled: 6/23,24/94

Date Received: 6/27/94

Soil

Sample Type: S

Sample Condition: Intact-Ambient

Sample Rec'd By:

TB

C-O-C# 267

Lab ID#	Field Code Description	TRPH Analysis Date	TRPH ppm	BTEX Analysis Date	Benzene ppm	Toluene ppm	Ethyl Benzene	Xylenes ppm	TOTAL BTEX	Total Lead Analysis Date	Total Lead ppm
								<u>. </u>			
4001	GAFB-10-350-SPE-OX-RS	6/29/94	2945	6/29/94	<0.1	<0.1	<0.1	0.38	<0.68	6/27/94	18.2
4002	GAFB-10-350-SPF-OX-RS	6/29/94	2140	6/29/94	<0.1	<0.1	<0.1	<0.3	<0.6	6/27 <i>/</i> 94	17.8
4003	GAFB-10-350-PP-BH	6/29/94	900	6/29/94	<0.1	<0.1	<0.1	<0.3	<0.6	6/27 <i>/</i> 94	5.1
4004	GAFB-10-350-PP-SPA	6/29/94	785	6/29/94	<0.1	<0.1	0.14	2.35	<2.69	6/27/94	55.2
4005	GAFB-10-350-PP-SPB	6/29/94	565	6/29/94	<0.1	<0.1	<0.1	0.33	<0.66	6/27 <i>/</i> 94	22.1
				`							

TRPH QC:	Standard Recovery(%)	101	BTEX QC:	Std Rec(%)	Spike Rec(%)	LEAD QC:	Standard Recovery(%)	103
	Spike Recovery(%)	93	Benzene	102	103		Spike Recovery(%)	125
	Duplicate(%Diff)	3	Toluene	99	101		Duplicate(%Diff)	0 %
	Blank(Soil)	<5	Ethyl Benzene	99	102		Blank(Soil)	< 5
			Xylenes	93	93			
			Duplicate(%Diff)	Blank			
			0		<0.005			

METHODS BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Baker Lab Director

6/29/94 Date

ENVIRONMENTAL LABORATORIES, INC. 812 W. 9TH Amarillo, Texas 79101 (806) 376-7004

•					,
Project Manager: Perry Williams, Inc.	Phone # (806)	373-5820		CHAIN OF CUSTODY REC	ORD 23
Address: 2700 S. Wilson, Ama TX 79103	FAX #: (806)	371-0340			- Grand
Project Number: D.0.# 0008	Project Name: HRY Sampler Signature:	1 - 4			
orce. GAFB 10,030	Tichay	Soto			.1 =
ID# Sampling July Sampling Composite	Boring Field ID #	Field Des	J	No. of Containers Analysis	Remarks [Preservation, Size/Amount, etc]
4001 28 Jun 94 10:00 5 V	6277	CAFB 10-350.	SDE OX RS	2 1 1 1	4 AZ SCALED
02 6 10:056	6269		SPF-OX-RS		
3204 2 10:10	6279		507.C.OX		replacement for broken-sample
03 24 JUN94 10:42	6284		PP·BH		
64 5 10:45	6278	1) .	pp. 5PA		/ / 🐇
05 10150	6272		on SOR		
- 53 10:001 1	1 60.0		PP SPB		
		 			
	 				
	 				
Relinquished by (Signature)	Date Time	Received by: (Signature)	Remark	Yes No	
Michael Jets	245WS4 13:00				
Relinquished by: (Signature)	Date Time	Received by: (Signature)	Head	space erly Sealed	If Yes, Amt.
Relinquished by: (Signature)	Date Time	Received by: (Signature)		d to 40°F	If No, Explain If No, Temp ambient
				of Container	ii ivo, remp <u>avvoicee</u>
Relinquished by: (Signature)	Date Time	Received by: (Signature)	1 7		
	Date Time	Paceived for Laboratory b	v: Addit bo#000	ional comments: KS = KE SK	HMPLED CUSTORY SEAL
Relinquished by: (Signature)	27 Jun 4 9:30	Received for Laboratory b	Sp7.C	ox pp: pump	p17
	CTJUNIT 1 (. W	July Du	X	ional comments: RS = Re-SA OX PP > PUMP RECO VA LONESTAR OVE	RNGHT



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

P.O. Box 30206

Amarillo, TX 79120

Project Name: Gary AFB

Location: Site#: 10-350

DO#: 0008

Date Sampled:

6/23,24/94

Date Received:

6/27/94

Sample Type:

Soil

Sample Condition: Intact-Ambient

Sample Rec'd By:

TB

C-O-C#

267

Lab iD#	Field Code Description	TCLP Lead Analysis Date	
4004	CAER 10 250 PR SRA	7/01/04	-0.1

LEAD QC:

Standard Recovery(%) 102 102

Spike Recovery(%) Duplicate(%Diff)

Blank <0.1

8

METHODS: TCLP LEAD-EPA SW 846-7421 with 1311

Rick Baker

7/21/94

Date



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

P.O. Box 30206

Amarillo, TX 79120

Project Name:

Location: Site: 10-350

DO#: 0008

Date Sampled:

7/26/94

Date Received:

7/28/94

Sample Type:

Soil/Water*

Sample Condition: Intact-Chilled Sample Rec'd By:

RB

C-O-C#

Lab ID#	Field Code Description	TRPH Analysis Date	TRPH ppm	BTEX Analysis Date	Benzene ppm	Toluene ppm	Ethyl Benzene ppm	Xylenes ppm	TOTAL BTEX	Total Lead Analysis Date	Total Lead ppm
8401*	TRIP BLANK			7/30/94	<0.005	<0.005	<0.005	<0.015	<0.030		
8402*	GAFB-10-350-SPF-OX-RM/RE	3 8/2 / 94	<0.200	7/30/94	<0.005 <0.005	<0.005	<0.005 <0.005	<0.015	<0.030	7/30/94	<0.1
8403	GAFB-10-350-SPF-OX-RM/QC	C 8/2/94	260	7/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	7/30/94	13.8
8404	GAFB-10-350-SPF-OX-RM	8/2/94	285	7/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	7/30/94	13.9
8405	GAFB-10-350-SPE-OX-RM	8/2/94	55	7/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	7/30/94	17.0
8406	GAFB-10-350-SPD-OX-RM	8/2/94	2165	7/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	7/30/94	22.3
8407	GAFB-10-350-SPC-OX-RM	8/2/94	900	7/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	7/30/94	17.2
8408	GAFB-10-350-SPA-OX-RM	8/2/94	<5	7/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	7/30/94	18.0

								1
TRPH QC:	Standard Recovery(%)	102	BTEX QC:	Std Rec(%)) Spike Rec(%)	LEAD QC:	Standard Recovery(%)	112
	Spike Recovery(%)	123	Benz	ene 87	80		Spike Recovery(%)	102
	Duplicate(%Diff)	4	Tolu	ene 87	76		Duplicate(%Diff)	1
	Blank(Soil)	<5	Ethyl Benz	ene 86	77		Blank(Soil)	
	Blank(Water)	<0.200	Xyle	nes 99	85		Blank(Water)	<0.1
			Duplicate(%	6Diff)	Blank		•	
			0		<0.005			1.00

METHODS BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Baker Lab Director

8/3/94 Date



ENVIRONMENTAL LABORATORIES, INC. 812 W. 9TH Amarillo, Texas 79101 (806) 376-7004

	812 W. 9TH Amarillo, Texas 79101 (806) 376-7004		
Project Manager: PWT	Phone #	CHAIN OF CUSTOD	Y RECORD
Address:	FAX #:	G. W C	
Project Number:	Project Name: 10-350		
Project Location: MAPCOS, TV	Sampler Signature: Sta		
Date Bould British (s, w, f) Composite	Field Field Description	No. of Containers Aualysis	Remarks [Preservation, Size/Amount, etc]
8401 7/26/94 18th W	I I KIN IXANK	2	Hel VOA
02 / 1835 W	64FB. \$10.350.50F. 0X	RM/pg4 VVV	SEE NOTEX
03 (1840 5)	2980 JAFB-10.350.50F.0X	·Rm/ac 2 V V V	402 SEAKD
09 1840 05 895	2934 (· SpF · OX	· Rm / / ()	
	6124 · SPE·OX		
06 1835	2582 SADIOX		
08 / 19 15 1 1	2978 Spc.0x	v pm	
	Sparent Sparent		
Relinquished by: (Signature)	Pate Time Received by: (Signature)	Remarks: Yes N	Jo
Relinquigned by: (Signature)	Date Time Received by: (Signature)	Headspace	If Yes, Amt
Relinquished by: (Signature)	Date Time Received by: (Signature)	Properly Sealed Chilled to 40°F	If No, Explain If No, Temp
Relinquished by: (Signature)	Date Time Received by: (Signature)	Type of Container AbTE Additional comments:	ELANK X 1 Liter Andrew
Relinquished by: (Signature)	Tate Time Received for Laboratory of Signature Rule Political Poli	er	X 40 mL VOA



Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

Client:

Perry Williams Inc.

P.O. Box 30206

Amarillo, TX 79120

Project Name: Gary Job Corp Center

Site: Bldg 10-350

DO#: 0008

Date Sampled:

Date Received:

8/31/94 9/3/94

Sample Type:

Soil

Sample Condition:

Intact-Chilled

Sample Rec'd By:

CR

C-O-C#

NA

	Field Code	TRPH	TRPH	BTEX	Benzene	Toluene	Ethyl Benzene	Xylenes	TOTAL	Total Lead	Total Lead
Lab ID#	Description	Analysis Date	ppm	Analysis Date	ppm	ppm _	ppm	ppm	BTEX	Analysis Date	ppm

12401 GAFB-10-350-SPD-OX-RM-2

9/6/94

45

TRPH QC

Standard Recovery(%)
Spike Recovery(%)
Duplicate(%Diff)

Blank(Soil)

106 113 0

<5

BTEX QC:

Std Rec(%) Spike Rec(%)

LEAD QC:

Standard Recovery(%)

Spike Recovery(%)

Duplicate(%Diff)

Blank(Soil)

Xylenes

Benzene

Toluene

Duplicate(%Diff)

Ethyl Benzene

Blank

METHOD: BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Bake Lab Director

9/6/94 Date



ENVIRONMENTAL LABORATORIES, INC. 812 W. 9TH Amarillo, Texas 79101 (806) 376-7004

Relinquished by: (Sig	nature)				5	Date 1		Time 9:30 AN	Received for Laboratory I Signature	эу:			· · · · · · · · · · · · · · · · · · ·					ig i		
Relinquished by: (Sig	neture)					Date	e:e	Time	Received by: (Signature)				Container al comment	Ų	′	seole De la	es co) 		
Relinquished by: (Sig	nature)					Date	æ	Time	Received by: (Signature)				40°F	مر ا				, Ten	اp	
Relinquished by: (Sig	nature)								· · · · · · · · · · · · · · · · · · ·		ì	•	Sealed				2	, Expl	4 4	
Relinquished by Sid	//			<u> </u>	- 2	3/3// Date	94	22:00	Received by: (Signature)		Remar Head		ce	Yes	s N		If Ye	s, Am	ıt.	
						Date		Time	Received by: (Signature)	. 	T				<u> </u>					
													- -		 				1 4	
								· · · · · · · · · · · · · · · · · · ·		 	·				 	-		1		#8 ##
						\vdash														1,731.75
									/	- 1-44					<u> </u>	<u> </u>			·	
										٠.,										
12401	8/31/24	21:15	5	-			1.	148	GAFB-10-350	D-SPD-0	x-RM-2		-	-			\bigcap	(Prese	402	. o. 95 ec.
Lab Use Only	Date	Time	Matrix (s,w,f)	Composite	Grab	Boring		D #	Field De	scription		No. of Co	\$T)			//	//	//	Rema	rks
ID#	Samp	oling	(s,w,f)	osite	q	пg	F	ield		•		of Containers	Analysi			_/				
Project Location:	10-3	50			IX.	Samu	pley	Signature:		·										
Project Ninaper.	0008		40-	· · ·		Prole	ect N	lame:	Conten											
Project Manager: ICLR Address: 2700	4 W1 U2:1	<u> [[] for</u>	<u> </u>	120	<u>c. </u>	FAX	#: *:	06-37. 4-37	5-5820 -0340				CHAIN O	= CUS	STODY	Y REC	CORD	,		
Project Manager:		.//.			-	Phon	ne #]										
	NV			1	ENV	IRON	AME Ama)	NTAL LA 812 W. arillo, Tex 806) 371	.BORATORIES, INC . 9TH .as 79101 6=7004	3.										
										_	··		<u></u>			ندن ا	(1500)		J harren	

APPENDIX M:

and the second s

May a series belong the

/ 接触的

SOIL COMPACTION TESTS



TRINITY ENGINEERING TESTING CORPORATION **AUSTIN, TEXAS**

TETCO PN:

4575

TO: PWI

P.O. Box 30206

Amarillo, Texas 79120

PROJECT:

Gary Job Corp.

San Marcos

Sites: 10-350 and 4-351

TECHNICIAN: Barry Siler

GAUGE:

#28

DATE:

07-13-94

REPORT NO:

T-7375

				
TYPE OF SOIL	LOCATION	PERCENT	DRY DENSITY	PERCENT
		MOISTURE	LBS/CU FT	COMPACTION
Brown	08-11 Tank Hole			
Fat	4th lift, center	18.0	96.6	90.4
Clay	3rd lift, center	16.9	94.2	88.2
-	2nd lift, center	15.2	99.6	93.3
	1st lift, center	16.1	101.2	94.8
	01-07 Tank Hole			
S-4755	4th lift, center	13.2	96.7	90.5
	3rd lift, center	14.9	98.5	92.2
İ	2nd lift, center	15.2	93.7	87.7
	1st lift, center	14.5	94.9	88.9
	4-351 Tank Hole			
Ref.T-7337	4th lift, center	18.8	109.0	102.1
·	3rd lift, center	22.7	103.7	97.1
	2nd lift, center	22.4	104.4	97.8
	1st lift, center	21.0	102.3	95.8
	1]
	1			<u> </u>
l	l.	1		
85%	l.			
Compaction	l.		1	
Required				
•		1]
İ				
l				
			1	

MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH:

ASTM D-1557-A-91

MAXIMUM DENSITY:

106.8 pcf

OPTIMUM MOISTURE:

15.6%

COPIES TO:

1-Above

REPORT REVIEWED BY: (15 //)
TRINITY ENGINEERING TESTING CORPORATION

The results shown on this report are for the exclusive use of the client for whom they were obtained and apply only to the samples tested and/or inspected. They are not intended to be indicative of qualities of apparently identical products. The use of our name must receive prior written approval.



TRINITY ENGINEERING TESTING CORPORATION AUSTIN, TEXAS

COMPACTION TESTS

TETCO PN:

4575

to: PWI

P.O. Box 30206

Amarillo, Texas 79120

PROJECT:

Gary Job Corp.

San Marcos

Sites: 10-350 and 4-351

TECHNICIAN:

GAUGE:

Barry Siler

#28

DATE:

07-13-94

REPORT NO:

T-7376

TYPE OF SOIL	PERCENT	DRY DENSITY	PERCENT	
	<u> </u>	MOISTURE_	LBS/CU FT	COMPACTION
Brown	Final lift, 08-11 Tank Hole			
Fat	SW corner	11.0	96.2	90.1
Clay	NE comer	14.3	94.6	88.6
	SE corner	14.4	100.4	94.0
	Center	12.0	96.4	90.3
1	NW corner	12.8	98.0	91.8
S-4755	Final lift, 01-07 Tank Hole		}	
	NE corner	10.1	101.0	94.6
	NW corner	10.8	96.8	90.6
	Center	8.8	101.7	95.2
	SW corner	10.4	94.6	88.6
Ref.T-7337	SE comer	15.2	93.5	87.5
	Final lift, 4-351, Tank Hole			
	NW corner	8.3	105.1	98.4
	NEcorner	10.5	94.1	88.1
1	Center	11.4	105.8	99.1
	SE corner	11.6	101.5	95.0
1	SW corner	10.0	106.2	99.4
1		1		
			1	1
85%		1	1	
Compaction		1	Í	
Required				
1 Toquilou	÷			
] .]
			·	
1		1]

MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH:

ASTM D-1557-A-91

MAXIMUM DENSITY:

106.8 pcf

OPTIMUM MOISTURE:

15.6%

COPIES TO:

1-Above

REPORT REVIEWED BY:

TRINITY ENGINEERING TESTING CORPORATION

SET

The results shown on this report are for the exclusive use of the client for whom they were obtained and apply only to the samples tested and/or inspected.

They are not intended to be indicative of qualities of apparently identical products. The use of our name must receive prior written approval.



TRINITY ENGINEERING TESTING CORPORATION

, TEXAS

TETCO PN: 4575

TO

S(1)

PWI

P.O. Box 30206

Amarillo, Texas 79120

PROJECT:

Gary Job Corporation

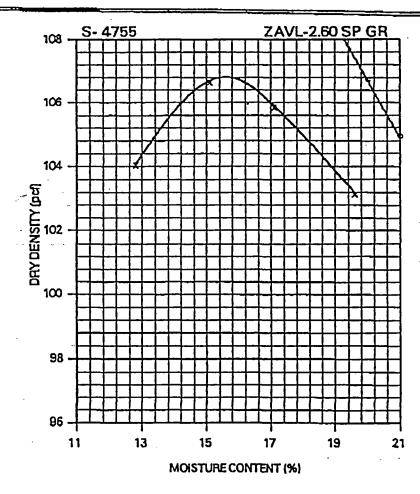
Sites 10-350: 4-351

07-19-94

DATE

T-7337

REPORT NO.



TEST METHOD: ASTM D-1557-A-91

MATERIAL DESCRIPTION: Brown Fat Clay

LIQUID LIMIT: 52

27 PLASTIC LIMIT: PLASTICITY INDEX:

(-)3°1 100

(-)No. 4: 99.3

(-)No. 40: 97.4

(-)No. 200: 89.7

CLASSIFICATION: CH

COMPACTION METHOD:

SIEVE TO DETERMINE OVERSIZE:

% BY WEIGHT OVERSIZE:

0.7 N/A

BULK SPECIFIC GRAVITY:

LAB COMPACTED SAMPLES (FINER FRACTION)

Dry Unit Weight, post

106.B

Moisture Content, %:

15.6

CORRECTED VALUE OF TOTAL SAMPLE:

Dry Unit Weight, pol:

N/A

Moisture Coalcal, %:

N/A

coples hove

REPORT REVIEWED BY: ZBm

TRINUTY ENGINEERING TESTING CORPORATION

The results shown on this report are for the exclusive are of the client for whom they were obtained and apply only to the samples tested unifor isspected. They are not intended to be indicative of the qualities of apparently identical products. The use of our name must receive our prior written approval,



TRINITY ENGINEERING TESTING CORPORATION AUSTIN, TEXAS

COMPRESSION TESTS

TETCO PN:

4575

TO:

PWI

P.O. Box 30206

Amarillo, Texas 79120

PROJECT:

Gary Job Corporation

San Marcos

TECHNICIAN:

Contractor

DATE:

08-22-94

REPORT NO .:

T-8354

CONCRETE FOR:

Backfill at tank area.

				T			
CYLINDER	· .	SLUMP	AGE	DATE	DATE	TOTAL	COMPRESSIVE
MARK	MIX	INCHES	DAYS	POURED	TESTED	LOAD LBS	STRENGTH, PSI
PWI 1	N/A	N/A	28	07-25-94	08-22-94	181,000	6.400
							·
.							

BRAND CEMENT:

FINE AGG:

28 DAY STRENGTH REQUIREMENT:

COARSE AGG:

ADDITIONAL INFORMATION IF MADE BY TETCO

TIME MADE:

UNIT WEIGHT:

TRUCK NO .:

CONCRETE TEMP.:

WATER ADDED TO TRUCK:

TICKET NO:

AIR CONTENT:

ACCUMULATED YARDS:

WEATHER:

REMARKS: ...

NOTES: (1.) COMPRESSIVE STRENGTHS DETERMINED IN ACCORDANCE WITH ASTM C39 (2.) CROSS-SECTIONAL AREA, DIAMETER AND LENGTH
ARE STANDARD UNLESS OTHERWISE NOTED (3.) PORTIONS OF THE INFORMATION CONTAINED IN THIS REPORT HAVE BEEN FURNISHED BY
OTHERS: (4) CYLINDERS CURED IN LABORATORY IN ACCORDANCE WITH ASTM C31 UNLESS OTHERWISE NOTED.

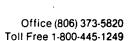
COPIES TO:

1-Above

Report reviewed by: TRINITY ENGINEERING TESTING CORPORATION

The results shown on this report are for the exclusive use of the client for whom they were obtained and apply only to the samples tested and/or inspected. They are not intended to be indicative of qualities of apparently identical products. The use of our name must receive prior written approval.

Petroleum Starage-tank Removal & Site Assissment Gary AFB (Tanks 8-11) 17 march 95 PWI Report



FAX (806) 371-0340



PETROLEUM STORAGE TANK REMOVAL AND SITE ASSESSMENT

Former Gary Air Force Base Site # 0-301 San Marcos (Caldwell County), Texas

TNRCC Facility ID #22732

Zone 4 Contract #DACA63-92-D-0047 Delivery Order #0008

Prepared for:

U.S. Army Corps of Engineers

Mr. Mark Simmons Fort Worth, District

Mr. Royce Colley San Antonio, Texas

Prepared by:

Ronn P. Beebe (CAPM00170)
Perry Williams Inc. (RCAS00070)
WC Environmental Group

February 17, 1995

P.O. Box 30206 • Amarillo, Texas 79120



TABLE OF CONTENTS

I.	REPORT SUMMARY
П.	CHRONOLOGY OF EVENTS
ш.	SITE CHARACTERIZATION AND FIELD INVESTIGATION
IV.	REGIONAL GEOLOGY AND HYDROGEOLOGY 6 A. Stratigraphy B. Major structural features C. Major and minor aquifers
V.	SITE GEOLOGY AND HYDROGEOLOGY
VI.	SITE SOIL ASSESSMENT AND REMEDIAL OPERATIONS
VII.	SITE EXCAVATED SOIL ASSESSMENT AND DISPOSITION 16 A. Stockpile composite sample numbers and locations B. Tabulated chronological sample results C. Discussion of contaminated soil volumes, treatment/disposition
/III .	SITE GROUNDWATER/SURFACE WATER ASSESSMENT
IX.	FREE PHASE HYDROCARBON/TANK CONTENTS ASSESSMENT 19 A. Tank contents characterization B. Tabulation of sample data C. Disposition of free phase hydrocarbons D. Disposition of tank contents water
X.	PHOTOGRAPHIC DOCUMENTATION

	C. D. E. F. G. H.	Any contaminate Any groundwate				
XI.	WAST		ENT AND DISPOSITION			
	А. В.	Tanks and piping Soils	ug			
	C.	Water				
	D.	Phase-separated product, sludge, & tank contents				
	E.	Treatment Waters				
XII.	APPE	NDICES/SUPPO	ORTING DATA31			
	Α.	DOCUMENTA	ATION AND MANIFEST'S			
		Appendix A.	UST/AST Certificates Of Destruction			
		Appendix B.	Tank Contents Manifest			
		Appendix C.	Contaminated Soil Manifest - N/A			
		Appendix D.	Excess Clean Soil - N/A			
		Appendix E.	Groundwater And Surface Waters - N/A			
		Appendix F.	Phase Separated Hydrocarbon - N/A			
	_	Appendix G.	Tank Residues - N/A			
	В.	CORRESPONI				
		Appendix H.	Texas Natural Resources Conservation Commission			
		Appendix I.	U.S. Army Corps Of Engineers			
	~	Appendix J.	Miscellaneous Correspondence - N/A			
	C.		FIELD NOTES			
	Б	Appendix K.	Xerox Copies Of Field Site Book			
	D.	LABORATORY				
		Appendix L.	Original Lab Results/Chains Of Custody			
		Appendix M.	Soil Compaction Tests - N/A			

REPORT SUMMARY

In February 1994, Perry Williams Inc. (PWI) was given notice to proceed with Delivery Order No. 0008 under Contract No. DACA63-92-D-0047. Included in this Delivery Order is the former Gary Air Force Base building No.0-301 site which is located at the Gary Job Corps Center on Hwy 21, San Marcos (Caldwell County), Texas. The scope of this report covers the excavation and removal of the underground storage tank (UST) system and results of site assessment activities.

The 500 gallon UST was reportedly used to contain fuel to power an emergency generator located at the site. On April 28, 1994 PWI personnel arrived on site and prepared the UST system for removal. The following day the system was excavated and removed. Field screening and visual observation provided no indication of the release of petroleum hydrocarbons. Soil samples were promptly collected from the appropriate locations in the tank repository and were submitted to the laboratory for the analysis of TRPH, BTEX and total lead (Pb). The excavation was then backfilled and returned to original grade.

Analytical results of the samples received on May 1, 1994, exhibited TRPH and BTEX concentrations below the method detection limits (MDL) used in analysis. No remedial action was required.

CHRONOLOGY OF EVENTS

28 Apr 94	PWI personnel review site and prepare for excavation activities.
29 Apr 94	One (1) approximately 500 gallon UST was excavated and removed. Samples were collected. Excavation was backfilled and returned to original grade. UST was transported off-site for proper disposition.
1 May 94	Analytical results of samples exhibited TRPH and BTEX concentrations below method detection limits (MDL).

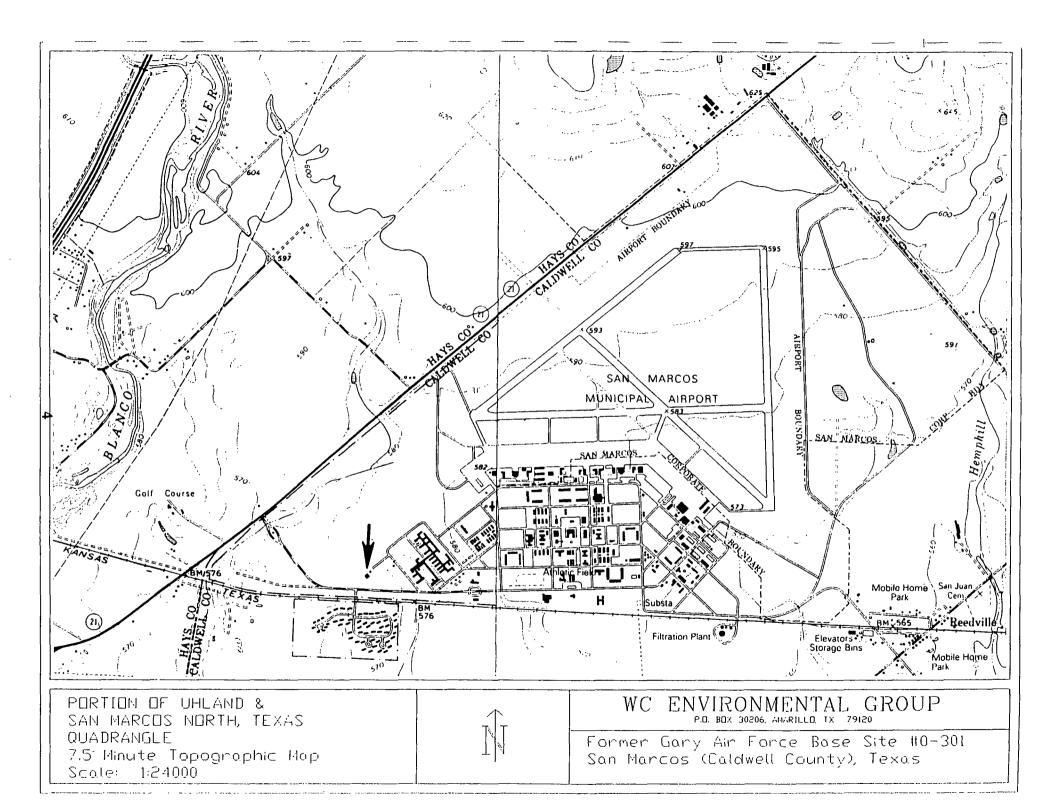
SITE CHARACTERIZATION AND FIELD INVESTIGATION

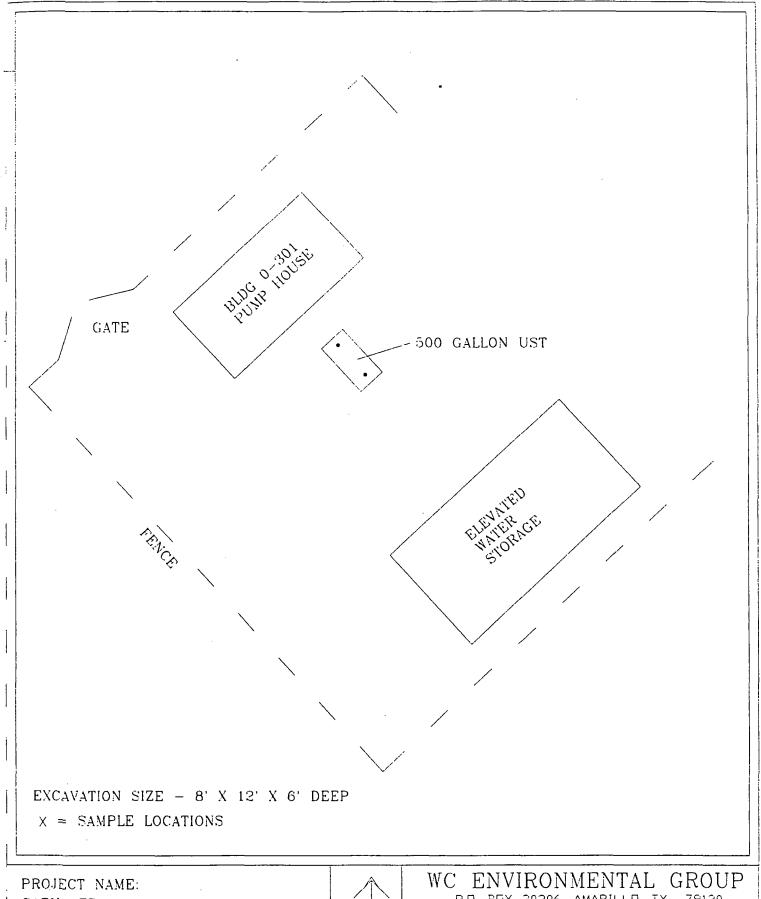
Site No. 0-301 (Building 0-301) is located at the water pump station at the Gary Job Corp Center, former Gary Air Force Base, on Hwy 21 in San Marcos (Caldwell County), Texas (see following site map). The UST system was reportedly used to contain fuel to power an emergency generator located at the site. The system consisted of one (1) approximately 500 gallon capacity steel tank and associated steel piping. The tank was reported to be in good condition and the installation date was unknown. Associated piping was also reported to be in good condition.

On April 28, 1994 PWI personnel arrived at the site and prepared the system for removal. The tank contents were sampled and approximately 520 gallons of fluids were removed from the UST. The following day the tank was excavated and removed. Associated product piping was removed up to the facility structure located northwest of the tank repository. Field screening and visual observations provided no indication of a release of petroleum hydrocarbons.

Samples were promptly collected from the appropriate locations and were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb. The excavation was then backfilled and returned to original grade using the excavated material in addition to imported fill.

Analytical results of the samples exhibited TRPH and BTEX concentrations below the method detection limits (MDL). Total Pb concentrations ranged from 7.2 to 15.6 ppm. No remedial actions were required.





GARY AFB SITE #301 D.O. #0008 SAN MARCOS, TX



P.O. BOX 30206, AMARILLO, TX 79120

NOT TO SCALE

REGIONAL GEOLOGY AND HYDROGEOLOGY

Stratigraphy

The former Gary Air Force Base is located long the Balcones Fault Zone in the Black Prairies physiographic province. The geologic units which outcrop in the region are the result of marine, fluvial, and deltaic depositional environments during the Cretaceous of the Mesozoic and the Tertiary of the Cenozoic Era. The outcrops of these strata strike in a northeast southwest direction and dip toward the southeast.

The late Mesozoic was characterized by the advancement of the Cretaceous sea from the southeast (Gulf coast). Massive deposition of associated marine strata including; limestones, dolomites, marls, clays, and sandstones occurred which are the strata which can be seen outcropping in the region today. During the late Cretaceous the sea retreated back to the southeast.

As the sea retreated to the southeast the depositional environment changed to near shore marine, fluvial, and deltaic sequences. The fluctuating coastline allowed for the accumulation of Tertiary strata including; sands, sandstones, siltstones, and clays. This retreat of the sea lead to the present depositional systems presently seen in the gulf coast area today.

The recent deposition in the region consists of Quaternary deposits which are the result of erosion and re-deposition of existing strata by streams and rivers, creating channel fills and stream terrace deposits.

Hydrogeology

The three major groundwater aquifers present in the region surrounding the City of San Marcos are the Edwards, Carrizo-Wilcox, and the Trinity.

The Edwards Aquifer includes the Edwards Limestone, the underlying Comanche Peak Limestone, and the overlying Georgetown Limestone, all of Cretaceous age. The outcrop and position of these units varies widely due to intense faulting and large topographic variations ¹. Thickness of the Edwards ranges from 400 to 500 feet. Yields of large-capacity wells average 1500 gallons per minute (gpm), but locally wells produce up to 3000 gpm. Total dissolved solids (TDS) tend to increase with depth but the aquifer generally contains less than 500 mg/l TDS ².

The Trinity Group aquifer is the lower Cretaceous in age. This aquifer produces useable quality groundwater and it includes the Paluxy (Antlers), Glen Rose, and Travis Peak (Twin Mountains) Formations ⁴. Total thickness of the aquifer ranges from less than 100 to more than 1200 feet. Yields of large-capacity wells average about 430 gpm, with wells in some areas yielding more than 2000 gpm. Water quality ranges from fresh to slightly saline; salinity generally increases with depth ².

The Carrizo-Wilcox aquifer consists of the Carrizo Formation and the Wilcox Group, each of Tertiary age, with the Carrizo Formation being the younger of the two and uncomformably overlying the Wilcox Group ³. The aquifer has a total thickness that ranges up to more than 2000 feet. Yields of high-capacity wells average 500 gpm, but locally reach 1500 gpm. Water in the aquifer generally contains less than 1000 mg/l total dissolved solids ².

The two minor aquifers present in the region are the Queen City and the Sparta, both of Tertiary age. The Queen City aquifer has a maximum thickness of about 400 feet. Yields of large-capacity wells are generally less than 200 gpm, but locally reach a maximum of about 400 gpm. Water in the aquifer varies widely, containing from less than 1000 to as much as 3000 mg/l total dissolved solids ².

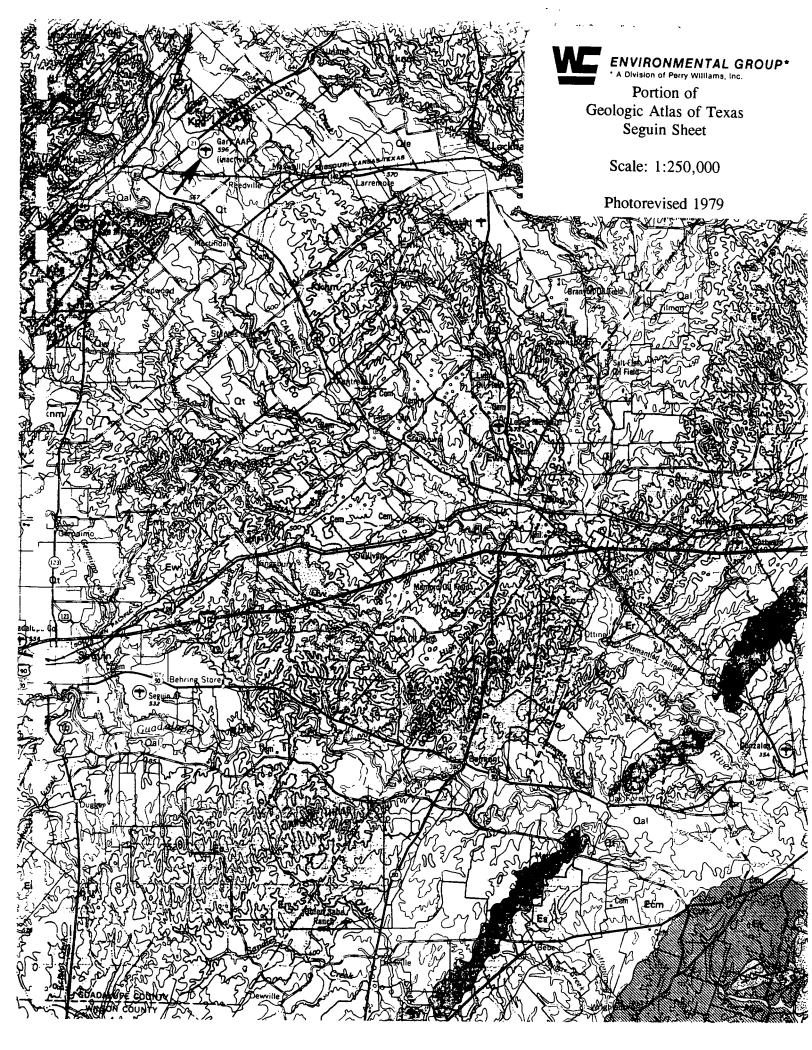
The Sparta aquifer has a maximum thickness of approximately 100 feet. Yields of most wells are less than 100 gpm, but properly constructed wells could produce higher yields. Water in the aquifer contains from less than 1000 to about 3000 mg/l total dissolved solids ².

References

- 1. Baker, E.T., Slade, R.M. Jr., Dorsey, M.E., Ruiz, L.M., and Duffin, G.L., 1986, Geohydrology of the Edwards

 Aquifer in the Austin Area, Texas, Texas Water Development Board, Rpt. 293
- 2. Water For Texas, Technical Appendix 2, 1984, Texas Department of Water Resources, GP-4-1
- 3. Thorkildsen, D., Price, R. D., 1991, Ground-Water Resources of the Carrizo-Wilcox Aquifer in the Central Texas

 Region, Texas Water Development Board, Rpt. 332
- 4. Nordstrom, P. L., 1987, Ground-Water Resources of the Antlers and Travis Peak Formations in the Outcrop Area of North-Central Texas, Texas Water Development Board, Rpt. 298



SITE GEOLOGY AND HYDROGEOLOGY

Site No. 0-301 is located at the water pump station at the Gary Job Corp Center, former Gary Air Force Base. The site is approximately 580 feet above sea level and the topography is gently rolling (see following topographic map). Surface drainage appears to be toward the south-southeast into the San Marcos River.

Geology

The site is situated on Quaternary age fluvial stream terrace (Qt) deposits. The deposits consist of three or more levels which may correspond to coastal Pleistocene units; gravel, sand, silt, and clay in various proportions with gravel more prominent in the older, higher terraces; gravel along the Guadalupe River, siliceous, coarse, along Colorado River mostly limestone, chert, quartz, and various igneous and metamorphic rocks from the Llano region and Edwards Plateau; sand mostly quartz ¹. Mapping illustrates that some faulting is present in the area with the majority existing to the northwest of the site in the outcrops of the Cretaceous age Edwards Limestone and in the Del Rio Clay and Georgetown Formations.

The soils present at the site are the Lewisville silty clay of the Lewisville Series ². These soils are described as a deep, nearly level to gently sloping soils on old terraces. These soils formed in calcareous clayey and loamy alluvium. In a representative profile the surface layer is very dark grayish-brown calcareous silty clay about 12 inches thick. The next layer is dark yellowish-brown calcareous silty clay about 12 inches thick over yellowish-brown calcareous silty clay loam about 18 inches thick. Below this is very pale brown calcareous clay loam that has soft masses and concretions of calcium carbonate.

Lewisville soils are well drained. Permeability is moderate, and available water capacity is high. Runoff is slow and thee hazard of erosion is slight.

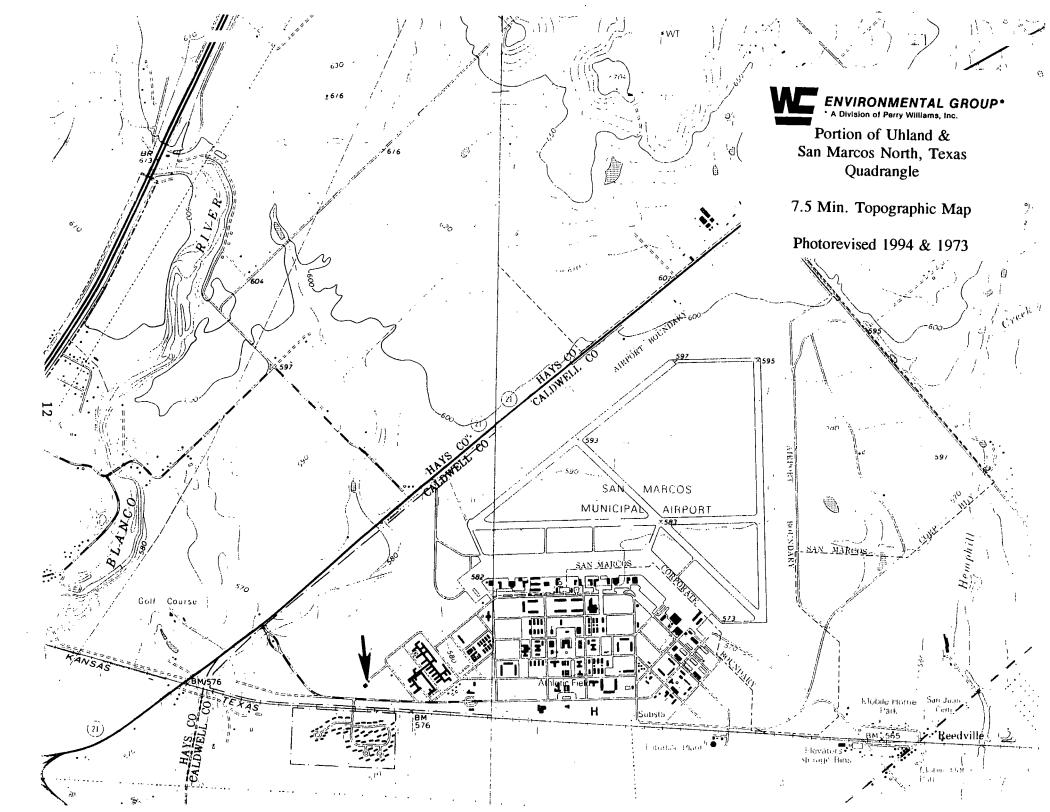
Hydrogeology

The two major groundwater aquifers present in the subsurface at the site are the Edwards and the Trinity Group, both of Cretaceous age. These units outcrop to the west of the site location and strike in a northeast-southwest direction. The major source of recharge to these aquifers is believed to be located along the outcrops which are situated west of the site.

No extensive groundwater investigation was conducted at the site, therefore no definitive information may be given as to the occurrence or depth to these aquifers. Other minor, more localized, or perched groundwater zones may be present in the subsurface but were not encountered during site operations.

References

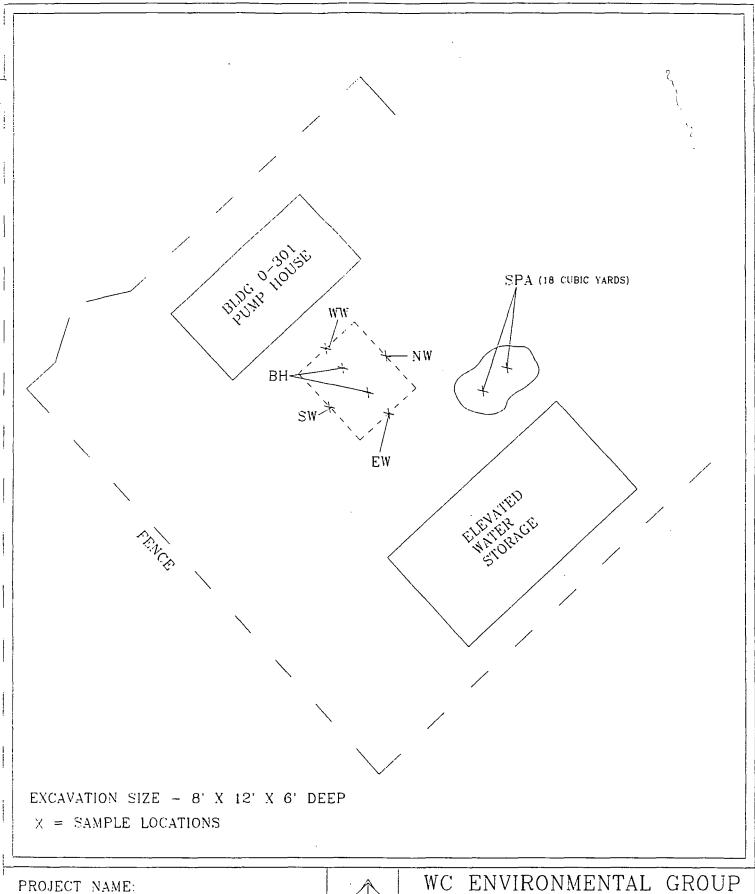
- 1. Barnes, V. E., 1974, Seguin Sheet: The University of Texas at Austin, Bureau of Economic Geology, Geologic Atlas of Texas, scale: 1:250,000
- Lowther, A. C., Werchan, L. E., 1978, Soil Conservation Service, United States Department of Agriculture, Soil Survey of Caldwell County, Texas.



SITE SOIL ASSESSMENT AND REMEDIAL OPERATIONS

On April 29, 1994 one (1) approximately 500 gallon steel UST and associated piping was excavated and removed from Site No. 0-301. Field screening and visual observations provided no indication of a release of petroleum hydrocarbons. Soil samples were promptly collected from the appropriate locations and were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb (see following site map). The excavation (approximately 8'x12'x6' deep) was backfilled and returned to original grade utilizing the excavated soil in addition to imported fill material.

On May 1, 1994 analytical results of the samples (GAFB-0-301-NW, GAFB-0-301-EW, GAFB-0-301-SW, GAFB-0-301-WW, & GAFB-0-301-BH) collected from the tank repository exhibited TRPH and BTEX concentrations below the MDL. Total Pb concentrations ranged from 7.2 to 15.6 ppm (see following tabulated analytical data). No remedial activities were required.



PROJECT NAME:

GARY AFB SITE #301 D.O. #0008 SAN MARCOS, TX



P.O. BOX 30206, AMARILLO, TX 79120

NOT TO SCALE

Contract No: DACA63-92-D-0047

Site No: Gary AFB #0301 San Marcus, TX

Zone: <u>4</u>

Order No: <u>0008</u>

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	ТКРН	BTEX	Lead
4/29/94	404042-4	GAFB-0-301-NW	Soil	<5 ppm	< 0.6 ppm	7.2 ppm
4/29/94	404042-5	GAFB-0-301-EW	Soil	< 5 ppm	<0.6 ppm	15.6 ppm
4/29/94	404042-6	GAFB-0-301-SW	Soil	< 5 ppm	<0.6 ppm	9.4 ppm
4/29/94	404042-7	GAFB-0-301-WW	Soil	<5 ppm	<0.6 ppm	10.5 ppm
4/29/94	404042-8	GAFB-0-301-BH	Soil	<5 ppm	<0.6 ppm	12.8 ppm
4/29/94	404042-1	TRIP BLANK	Water	N/A	<0.030 ppm	N/A
4/29/94	404042-2	GAFB-0-301-NW/RB	Water	< 0.200 ppm	<0.030 ppm	< 0.1 ppm
4/29/94	404042-3	GAFB-0-301-NW/QC	Soil	<5 ppm	<0.6 ppm	10.9 ppm

SITE EXCAVATED SOIL ASSESSMENT AND DISPOSITION

Approximately 18 cubic yards of soil material were excavated during the removal of the UST system at Site No. 0-301. Field screening and visual observations provided no indicated of the presence of petroleum hydrocarbons. A soil sample was collected from the excavated material and was submitted to the laboratory for the analysis of TRPH, BTEX and total Pb. After sample collection activities, the tank repository was backfilled and returned to original grade utilizing the excavated soil in addition to imported fill material.

Analytical results of the sample (GAFB-0-301-SPA) collected from the stockpile material exhibited TRPH and BTEX concentrations below the MDL. Total Pb concentrations were 11.2 ppm (see following analytical data). No excess soil remains on-site.

Contract No: <u>DACA63-92-D-0047</u>

Site No: Gary AFB #0301 San Marcus, TX

Zone: <u>4</u>

Order No: <u>0008</u>

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	ТКРН	BTEX	Lead
4/29/94	404042-9	GAFB-0-301-SPA	Soil	< 5 ppm	< 0.6 ppm	11.2 ppm
		<u> </u>				
		<u> </u>				<u> </u>
 	<u></u>					
				-		
						

SITE GROUNDWATER/SURFACE WATER ASSESSMENT

No groundwater or surface water was encountered or impacted by these activities.

FREE PHASE HYDROCARBON/TANK CONTENTS

Prior to tank removal activities a sample was collected from the fluids present in the tank. The sample was submitted to the laboratory for the analysis of TRPH, BTEX, 8 RCRA metals, PCB's, volatile and semi-volatile organics (see following analytical). The approximately 520 gallons of fluid were removed and transported off-site for recycling/treatment by Mobley Company, Corsicana Fuel Facility, Corsicana, Texas.

Contract No: <u>DACA63-92-D-0047</u>

Site No: Gary AFB #0301 San Marcus, TX

Zone: <u>4</u>

Order No: <u>0008</u>

S

Sampler: Mike Soto

Date Sampled	Lab ID#	Field Description	Matrix	TRPH	BTEX	Lead
4/28/94	35735	GAFB-0-301-TC	Water	41 ppm	N/A	N/A
4/28/94	35734	TRIP BLANK	Water	N/A	<.03 ppm	N/A
·						
				:		

Contract No.: DACA63-92-D-0047 Delivery Order: 0008 Zone: 4

Site: Gary AFB #0301 San Marcos, TX

Field Description: <u>GAFB-0-301-TC</u> Sampler: <u>Mike Soto</u>

Lab ID# 35735 Matrix: Water Date Sampled: 4/28/94

FULL VOLATILE	Page 1 of 2
---------------	-------------

<u>Parameter</u>	Results	Quant. <u>Limit</u>	<u>Units</u>	<u>Method</u>
Acetone	0.75	0.010	mg/l	8260
Acrolein	< 0.005	0.005	mg/l	8260
Acrylonitrile	< 0.004	0.004	mg/l	8260
Allyl chloride	< 0.003	0.003	mg/l	8260
Benzene	< 0.003	0.003	mg/l	8260
Bromodichloromethane	< 0.003	0.003	mg/l	8260
Bromoform	< 0.002	0.002	mg/l	8260
Bromomethane	< 0.006	0.006	mg/l	8260
2-Butanone (MEK)	0.17	0.010	mg/l	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	8260
Chlorobenzene	< 0.004	0.004	mg/l	8260
Chloroethane	< 0.002	0.002	mg/l	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	8260
Chloroform	< 0.003	0.003	mg/l	8260
Chloromethane	< 0.005	0.005	mg/l	8260
Dibromochloromethane	< 0.003	0.003	mg/l	8260
1,2-Dibromo-3-chloropropane	< 0.006	0.006	mg/l	8260
1,2-Dibromoethane	< 0.003	0.003	mg/l	8260
Dibromomethane	< 0.002	0.002	mg/l	8260
1,2-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,3-Dichlorobenzene	< 0.005	0.005	mg/l	8260
1,4-Dichlorobenzene	< 0.006	0.006	mg/l	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	8260
1,1-Dichloroethane	< 0.003	0.003	mg/l	8260
1,2-Dichloroethane	< 0.003	0.003	mg/l	8260
1,1-Dichloroethene	< 0.005	0.005	mg/l	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	8260
Dichloromethane	< 0.004	0.004	mg/l	8260
1,2-Dichloropropane	< 0.002	0.002	mg/l	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	8260
trans-1,3-Dichlopropene	< 0.003	0.003	mg/l	8260

FULL VOLATILE Lab ID# 35735 (continued page 2 of 2)

		Quant.		
<u>Parameter</u>	<u>Results</u>	<u>Limit</u>	<u>Units</u>	Method
Diethyl ether	< 0.005	0.005	mg/l	8260
Ethylbenzene	0.011	0.005	mg/l	8260
Ethyl methacrylate	< 0.005	0.005	mg/l	8260
2-Hexanone	0.047	0.006	mg/l	8260
Methacrylonitrile	< 0.005	0.005	mg/l	8260
Methyl iodide (Iodomethane)	< 0.005	0.005	mg/l	8260
Methyl methacrylate	< 0.004	0.004	mg/l	8260
4-Methyl-2-pentanone (MIBK)	0.016	0.010	mg/l	8260
Propionitrile	< 0.010	0.010	mg/l	8260
Styrene	< 0.004	0.004	mg/l	8260
1,1,1,2-Tetrachloroethane	< 0.005	0.005	mg/l	8260
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	8260
Tetrachloroethene	< 0.005	0.005	mg/l	8260
Toluene	0.026	0.003	mg/l	8260
1,1,1-Trichloroethane	< 0.005	0.005	mg/l	8260
1,1,2-Trichloroethane	< 0.003	0.003	mg/l	8260
Trichloroethene	< 0.002	0.002	mg/l	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	8260
1,2,3-Trichloropropane	< 0.003	0.003	mg/l	8260
Vinyl chloride	< 0.003	0.003	mg/l	8260
m,p-Xylene	0.051	0.005	mg/l	8260
o-Xylene	0.027	0.004	mg/l	8260

Contract No.: DACA63-92-D-0047 Delivery Order: 0008 Zone: 4

Site: Gary AFB #0301 San Marcos, TX

Field Description: <u>GAFB-0-301-TC</u> Sampler: <u>Mike Soto</u>

Lab ID# 35735 Matrix: Water Date Sampled: 4/28/94

SEMI-VOLATILE

Page 1 of 3

Parameter	<u>MDL</u>	<u>Units</u>	<u>Results</u>	Method
Acenaphthene	1000	UG/L	ND	8270
Acenaphthylene	1000	UG/L	ND	8270
Acetophenone	1000	UG/L	ND	8270
Aniline	1000	UG/L	ND	8270
Anthracene	1000	UG/L	ND	8270
4-Aminobiphenyl	1000	UG/L	ND	8270
Benzidine	5000	UG/L	ND	8270
Benzo(a)anthracene	1000	UG/L	ND	8270
Benzo(b)fluorathene	1000	UG/L	ND	8270
Benzo(k)fluoranthene	1000	UG/L	ND	8270
Benzo(g,h,i)perylane	1000	UG/L	ND	8270
Benzo(a)pyrene	1000	UG/L	ND	8270
Benzoic Acid	5000	UG/L	ND	8270
Benzyl alcohol	2000	UG/L	ND	8270
Bis(2-chloroethoxy)methane	1000	UG/L	ND	8270
Bis(2-chloroethyl)ether	1000	UG/L	ND	8270
Bis(2-chlorolsopropyl)ether	1000	UG/L	ND	8270
Bis(2-ethylhexyl)phthalate	1000	UG/L	ND	8270
4-Bromophenylphenyl ether	1000	UG/L	ND	8270
Butylbenzyl phthalate	1000	UG/L	ND	8270
4-Chloroaniline	2000	UG/L	ND	8270
1-Chloronaphthalene	1000	UG/L	ND	8270
2-Chloronaphthalene	1000	UG/L	ND	8270
4-Chloro-3-methylphenol	2000	UG/L	ND	8270
2-Chloropenol	1000	UG/L	ND	8270
4-Chlorophenylphenyl ether	1000	UG/L	ND	8270
Chrysene	1000	UG/L	ND	8270
Dibenz(a,h)anthracene	1000	UG/L	ND	8270
Dibenzofuran	1000	UG/L	ND	8270
1,3-Dichlorobenzene	1000	UG/L	ND	8270
1,4-Dichlorobenzene	1000	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 35735 (continued page 2 or 3)

<u>Parameter</u>	MDL	<u>Units</u>	Results	Method
1,2-Dichlorobenzene	1000	UG/L	ND	8270
3,3-Dichlorobenzidine	2000	UG/L	ND	8270
2,4-Dichlorophenol	1000	UG/L	ND	8270
2-6-Dichlorophenol	1000	UG/L	ND	8270
Diethylphthalate	1000	UG/L	ND	8270
a,a-Dimethylphenethylamine	1000	UG/L	ND	8270
2,4-Dimethylphenol	1000	UG/L	ND	8270
Dimethylphthalate	1000	UG/L	ND	8270
Di-n-butylphthalate	1000	UG/L	ND	8270
4,6-Dinitro-2-methylphenol	5000	UG/L	ND	8270
2,4-Dinitrophenol	5000	UG/L	ND	8270
2,4-Dinitrotoluene	1000	UG/L	ND	8270
2,6-Dinitrotoluene	1000	UG/L	ND	8270
Di-n-octylphthalate	1000	UG/L	ND	8270
1,2-Diphenylhydrazine	5000	UG/L	ND	8270
Fluoranthene	1000	UG/L	ND	8270
Fluorene	1000	UG/L	ND	8270
Hexachlorobenzene	1000	UG/L	ND	8270
Hexachlorobutadlene	1000	UG/L	ND	8270
Hexachlorocyclopentadlene	1000	UG/L	ND	8270
Hexachloroethane	1000	UG/L	ND	8270
Indeno(1,2,3-cd)pyrene	1000	UG/L	ND	8270
Isophorone	1000	UG/L	ND	8270
3-Methylcholanthrene	1000	UG/L	ND	8270
2-Methylnaphthalene	1000	UG/L	1,100	8270
2-Methylphenol	1000	UG/L	ND	8270
4-Methylphenol*	1000	UG/L	ND	8270
Naphthalene	1000	UG/L	ND	8270
1-Naphthylamine	1000	UG/L	ND	8270
2-Naphthylamine	1000	UG/L	ND	8270
2-Nitroaniline	1000	UG/L	ND	8270
3-Nitroaniline	1000	UG/L	ND	8270
4-Nitroaniline	1000	UG/L	ND	8270
Nitrobenzene	1000	UG/L	ND	8270
2-Nitrophenol	1000	UG/L	ND	8270
4-Nitrophenol	5000	UG/L	ND	8270
N-Nitroso-di-n-butylamine	1000	UG/L	ND	8270
N-Nitrosodimethylamine	1000	UG/L	ND	8270
N-Nitrosodi-n-phenylamine**	1000	UG/L	ND	8270
N-Nitroso-di-n-propylamine	1000	UG/L	ND	8270

SEMI-VOLATILE Lab ID# 35735 (Continued page 3 of 3)

<u>Parameter</u>	<u>MDL</u>	<u>Units</u>	Results	Method
Pentachlorobenzene	1000	UG/L	ND	8270
Pentachloronitrobenzene	1000	UG/L	ND	8270
Pentachlorophenol	5000	UG/L	ND	8270
Phenacetin	1000	UG/L	ND	8270
Phenanthrene	1000	UG/L	ND	8270
Phenol	1000	UG/L	ND	8270
Pyrene	1000	UG/L	ND	8270
Pyridine	1000	UG/L	ND	8270
1,2,4,5-Tetrachlorobenzene	1000	UG/L	ND	8270
2,3,4,6-Tetrachlorophenol	1000	UG/L	ND	8270
1,2,4-Trichlorobenzene	1000	UG/L	ND	8270
2,4,5-Trichlorophenol	1000	UG/L	ND	8270
2,4,6-Trichlorophenol	1000	UG/L	ND	8270

ND - not detected

^{* -} Co-elutes with 3-Methylphenol ** - Inseparable from Diphenylamine

26

SAMPLE TESTING RESULTS

Contract No: DACA63-92-D-0047 Site No: Gary AFB #0301 San Marcus, TX

Zone: <u>4</u>

Order No: <u>0008</u>

Sampler: Mike Soto

PCB (Polychlorinated Biphenyls)

Date Sampled	Lab ID#	Field Description	Matrix	Analyte	MDL	Units	Results	Test Method
4/28/94	35735	GAFB-0-301-TC	Water	Aroclor 1016	0.5	UG/L	ND	8080
				Aroclor 1221	1.0	UG/L	ND	8080
				Aroclor 1232	0.5	UG/L	ND	8080
				Aroclor 1242	0.5	UG/L	ND	8080
				Aroclor 1248	0.5	UG/L	ND	8080
				Aroclor 1254	0.5	UG/L	ND	8080
·				Aroclor 1260	0.5	UG/L	ND	8080
				· · · · · · · · · · · · · · · · · · ·				
						-	·	

Contract No: DACA63-92-D-0047

Site No: Gary AFB #0301 San Marcus, TX

Zone: <u>4</u>

Order No: <u>0008</u>

Sampler: Mike Soto

8 RCRA METALS

Date Sampled	Lab ID#	Field Description	Matrix	Parameter	Value	Units	Analytical Method
4/28/94	35735	GAFB-0-301-TC	Water	Total Arsenic	<.05	MG/L	3005/6010
				Total Barium	.056	MG/L	3005/6010
				Total Cadmium	.012	MG/L	3005/6010
				Total Chromium	< .007	MG/L	3005/6010
				Total Lead	<.03	MG/L	3005/6010
				Total Mercury	<.001	MG/L	3005/7470
		<u>.</u>		Total Selenium	<.08	MG/L	3005/6010
				Total Silver	<.005	MG/L	3005/6010



Photo 1: Removing fluids from UST.



Photo 2: Tank repository prior to cleaning and sample collection.



Photo 3: Restoring site to original grade.

WASTE MANAGEMENT AND DISPOSITION

Tanks and Piping

One (1) approximately 500 gallon capacity steel tank was transported along with removed piping to Commercial Metals Co., Austin, Texas for scrap iron.

Soils

Approximately 18 cubic yards of soil material were generated during the removal of the UST. The excavated soil, in addition to imported fill, were utilized to backfill the tank repository. Analytical results of the sample collected from the stockpiled material exhibited TRPH and BTEX concentrations below the MDL.

Waters

Not applicable

Phase Separated Product Sludge and Tank Contents

Removed fluids were transported off-site for recycling/treatment by Mobley Company, Corsicana Fuel Facility, Corsicana, Texas.

Treatment Waters

Not Applicable.

APPENDICES/SUPPORTING DATA

			* * * * * * * * * * * * * * * * * * * *		·
	,				
				÷	
		,			r
,		. •			
		APPENDIX A:			
	USI/ASI CERI	IFICATES OF DE	ESTRUCTION		
		<i>.</i>			. *
					۰
		٠			
, •				ť	
•					
•					
			a '		
	•				,

CERTIFICATE OF DESTRUCTION

Date:	
SCRAPPING/DISPOSAL COMPANY:	SITE OF DESTRUCTION:
C.M.C Austin	Building: 0-30
710 Industrial Blud.	Gary Job Coaps. Center
Austin Tx. 78760	San Marcos Tx.
TANK REMOVAL CONTRACTOR:	
Perry Williams, Inc.	
P.O. Box 30206	
Amarillo, Texas 70120	· ·
TANK IDENT	rification:
Tank No: O1	
Size: 500 gq/	
LOCATION:	•
GARY Job CORPS. CENTER	
SAN Mancos TX	1
	_
DATE OF DESTRUCTION:	
for the storage of fluids, and	d tank has been rendered unsusable that all removed fluids, sludges, in accordance with all applicable tions.
ВУ	·•
TI	TLE: Field Superintendent
•	
•	
·	is A

Egy y

	•
A 15154287TS487 TS .	
APPENDIX B: TANK CONTENTS MANIFEST	
	,
	٠
	المعادلة الم

MOBLEY COMPANY MANIFEST

CHARACTERIZATION INFORMATION
Generating Facility Name: Department of Defence W.D.C.
Generating Facility Address: ARY Job CORS CENTER SHE MARCOS TX
Business Name: ARy Joh Corp SAN MARCE (Site 0-3-01)
Mailing Address: P.O. Box 967 SAN MARCOS TO
Telephone $(5/2)$ 356 - 65-43
Contractor Name/Contact: P. W. I
Process Generating the Fluid (Check the Appropriate Process/Fluid Type):
Underground Storage Tank Remediation/Corrective Action ☐ Unleaded Gasoline ☐ Diesel ☐ Aviation Fuel ☐ Tank Hold Evacuation ☐ UST Monitoring Well Fluid ☐ Underground Storage Tank Remediation/Corrective Action ☐ Unleaded Gasoline ☐ Unleaded Gasoline ☐ Unleaded Gasoline ☐ Diesel ☐ Aviation Fuel ☐ Fuel Oil
Total Quantity (Gallons): Bulk 20 Drum Evacuation () I certify that the material removed from the above premises is not hazardous waste as identified in 40 CFR Part 261, and does not contain spent solvents or PCBs as identified in 40 CFR Part 761.
Generator Representative (Print): WAlter L. CANOCK FOR DOD Title: Field Suppan.
Signature: Wath. Carh Date of Service: 4-28-94
TRANSPORTER INFORMATION
TRANSPORTER INFORMATION
TRANSPORTER INFORMATION Name Mobley Co., Inc Telephone 800-999-8628
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73
TRANSPORTER INFORMATION Name Mobiley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Mite Thomas Trucked Direct to Plant? Y N
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Mife Thomas Trucked Direct to Plant? Y / N 4-28-94 Date Driver's Signature
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Trucked Direct to Plant? Y / N H-28-94 Date Driver's Signature MOBLEY COMPANY CORSICANA FUEL FACILITY
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Trucked Direct to Plant? Y / N H-28-94 Date Driver's Signature MOBLEY COMPANY CORSICANA FUEL FACILITY Address: 2124 Highway 31 East
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Trucked Direct to Plant? Y / N 428-94 Date Driver's Signature MOBLEY COMPANY CORSICANA FUEL FACILITY Address: 2124 Highway 31 East City/State: Corsicana, TX 75110
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPATransporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Trucked Direct to Plant? Y / N H-28-94 Date Driver's Signature MOBLEY COMPANY CORSICANA FUEL FACILITY Address: 2124 Highway 31 East City/State: Corsicana, TX 75110 Telephone: 903-874-1188.
Name
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPATransporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Trucked Direct to Plant? Y / N H-28-94 Date Driver's Signature MOBLEY COMPANY CORSICANA FUEL FACILITY Address: 2124 Highway 31 East City/State: Corsicana, TX 75110 Telephone: 903-874-1188.
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPA Transporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Thomas Trucked Direct to Plant? Y / N Date Driver's Signature MOBLEY COMPANY CORSICANA FUEL FACILITY Address: 2124 Highway 31 East City/State: Corsicana, TX 75110 Telephone: 903-874-1188. EPA ID TXD988059291 TWC Reg. No. 20095 I certify that I have received into this facility the above listed product.
TRANSPORTER INFORMATION Name Mobley Co., Inc. Telephone 800-999-8628 EPATransporter ID TXD000807925 State ID 40303 Truck No. 73 Driver's Name (Print) Trucked Direct to Plant? Y / N H-28-94 Date MOBLEY COMPANY CORSICANA FUEL FACILITY Address: 2124 Highway 31 East City/State: Corsicana, TX 75110 Telephone: 903-874-1188. EPA ID TXD988059291 TWC Reg. No. 20095 I certify that I have received into this facility the above listed product. Facility Operator's Name (Print) ANNY TABLES AND ANNY TABLES AN

GATORAGO DO CORRES DE PRESENTANTO RELEGIO DE LO ACUERA O LO REPRESENTANTA ANTA CARRES

		٠
\prod		
_	APPENDIX H:	
	TEXAS NATURAL RESOURCES CONSERVATION COMMISSION	
	TEXAS NATURAL RESOURCES CONSERVATION COMMISSION	
	TEXAS NATURAL RESOURCES CONSERVATION COMMISSION	

TEXAS WATER COMMISSION UNDERGROUND STORAGE TANK (UST) CONSTRUCTION NEW FICATION FORM

This form is provided to assist UST owners in complying with the construction notification requirements f TWC Rules, 31 TAC Chapter 334. The completion and filing of this form within the prescribed time hould satisfy these requirements.

	TYPE OF CONSTRUCTION: (Indicate all that ap	ply.)
•		Removal Other (Specify)
~	Replacement Improvement	Abandonment
	FACILITY LOCATION INFORMATION:	3. OWNER INFORMATION:
	Facility Name: San Marcos Municipal Airport	Owner: City of San Marcos
	Address/Location: Old Gary AFB	Representative: Jack Doughty
		Title: Airport Manager
	County: Caldwell City: San Marcos	Address: 630 East Hopkins
	UST Facility No. (If Known):	City/State/Zip: San Marcos, Texas 78666
	Telephone: (512) 396-4147	Telephone: (512) 353-4444
4.	 	5. <u>UST CONTRACTOR INFORMATION</u> :
	Company: US Army Corps of Engineers	Company: Perry Williams, Inc.
,	Representative: Ed Morgan	Representative: Perry Williams
	Address: 4204 Woodcock - Suite 245	Address: P.O. Box 30206
	City/State/Zip: San Antonio, Texas 78229-1319	City/State/Zip: Amarillo, Texas 79120
	Telephone: (210) 921-0961	Telephone: (806) 373-5820
6.		
	tanks and other UST system components. Include	closure procedures for UST abandonments or
	removals. Attach information as appropriate.)	1. 224 54 () (2)
`	*In addition to the 30-day written notification required appropriate district office 24 - 72 hours prior to the sta	
y	appropriate district office 24 - 72 flours prior to the sta	it of construction activity 554.6(b)(2)(c).
	Removal of 2 - 5,000 gallon UST's near (Central tower & water pump station
	<u> </u>	·
		•
		
7.	SCHEDULE/DATES FOR PROPOSED CONSTR	<u>UCTION</u> :
	, February 19, 1994	
8.	SUBMITTED BY: Perry Williams	DATE:
	Title & Company: President - Perry Willi	ame Inc
9,	MAIL COMPLETED FORM TO: * * * * * *	* * * * * * */* * * * * * * * * * * * *
	•	FOR TWC STAFF USE ONLY
	Texas Water Commission *	
	Underground Storage Tank Section * Date Rec'	
	P.O. Box 13087, Capitol Station * District _	Dist. Rep.
٠.	Austin, Texas 78711-3087 * Remarks	,
·)	•	
•	* Logged by	: Date:
	* * * * * *	

				ř	·
\bigcap					,
			٠		
			,		
	•	·			,
		•			
	•	APPENDIX I:	•		
		U.S. CORPS OF ENGINEERS			
	•		u		
	,			٠	
		,			
\bigcap	•				
U U				5	
	• •				,
		·	· · · · · · · · · · · · · · · · · · ·		
		•			
Π	•			,	
institutes	دول دولت سازه سوده سازه سوده سازه و نام دولت شوده من دولت و نام دولت المراوي و نام دولت و سازه و المراوي و دول	and the second s	more described to the second s	property and the same of the s	معرب ويستعرب بم يصفيه والمعارض المعارض

RETURN RECEIPT REQUESTED						
NOTICE TO	PROCEED					
From	Date 3 February 1994					
Contracting Officer Fort Worth District, Corps of Engineers P.O. Box 17300	Contract No. DACA63-92-D-0047 Delivery Order No. 0008					
Fort Worth, Texas 76102-0300	Invitation No.					
То	Project and Location:					
Perry Williams, Inc. P. O. Box 30206 Amarillo, Texas 79120	UST Removal (11) at Oil Storage Area, Gary AFB, San Marcos, Texas					
In accordance with the terms of the above ce the work. Your attention is invited to the contrastarting and completing the work and/or delivery	· · · · · · · · · · · · · · · · · · ·					
Your attention is further invited to the Return your representative on the date this notice was of acknowledgement which you indicate below a date shown on the Return Receipt Card will gove	delivered by the U.S. Postal Service. The date should agree with the card. If they differ, the					
Acknowledge receipt of the NOTICE TO PRO to this office.	OCEED in the space provided below, and return					
■ The Ori	iginal					
☐ The Oi	riginal and one copy.					
One copy of this NOTICE TO PROCEED is for you	our record.					
	THE UNITED STATES OF AMERICA					
Enclosures						
By Jane C. Key Jane C. Key Contracting Officer						
ACKNOWL	EDGEMENT					
This NOTICE TO PROCEED AND enclosures were received	02-10-94 (Date)					
	By 1 - 16/1/1/					

President

Title

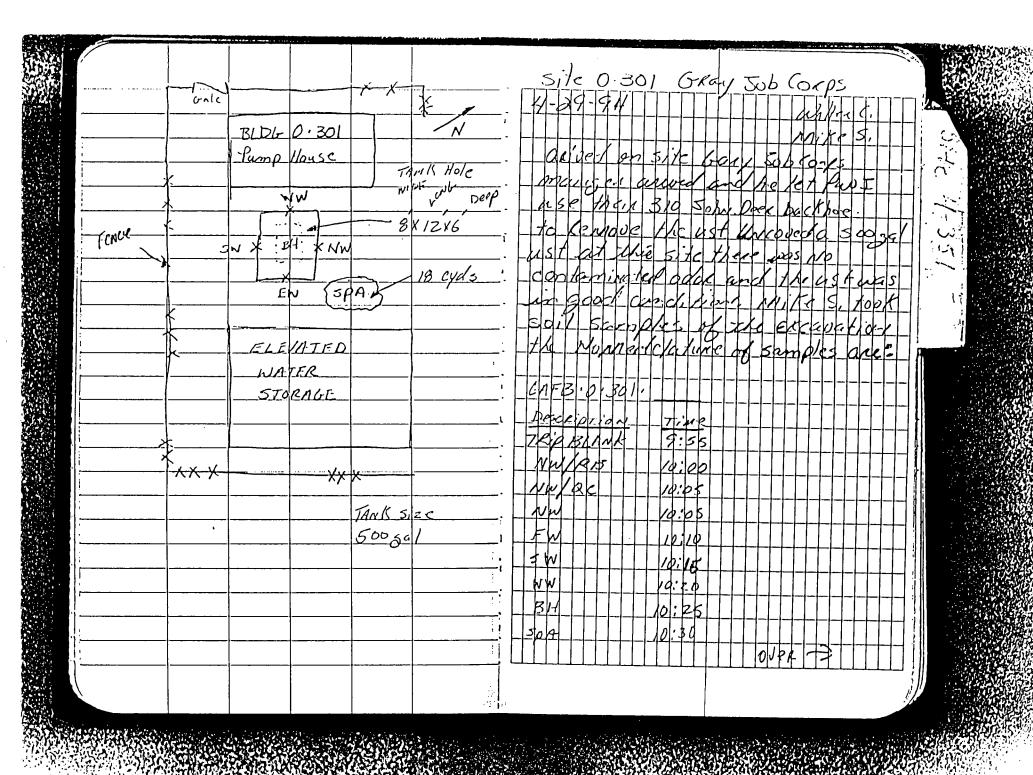
SWD Form 205 (R) Rev 8 Feb 77

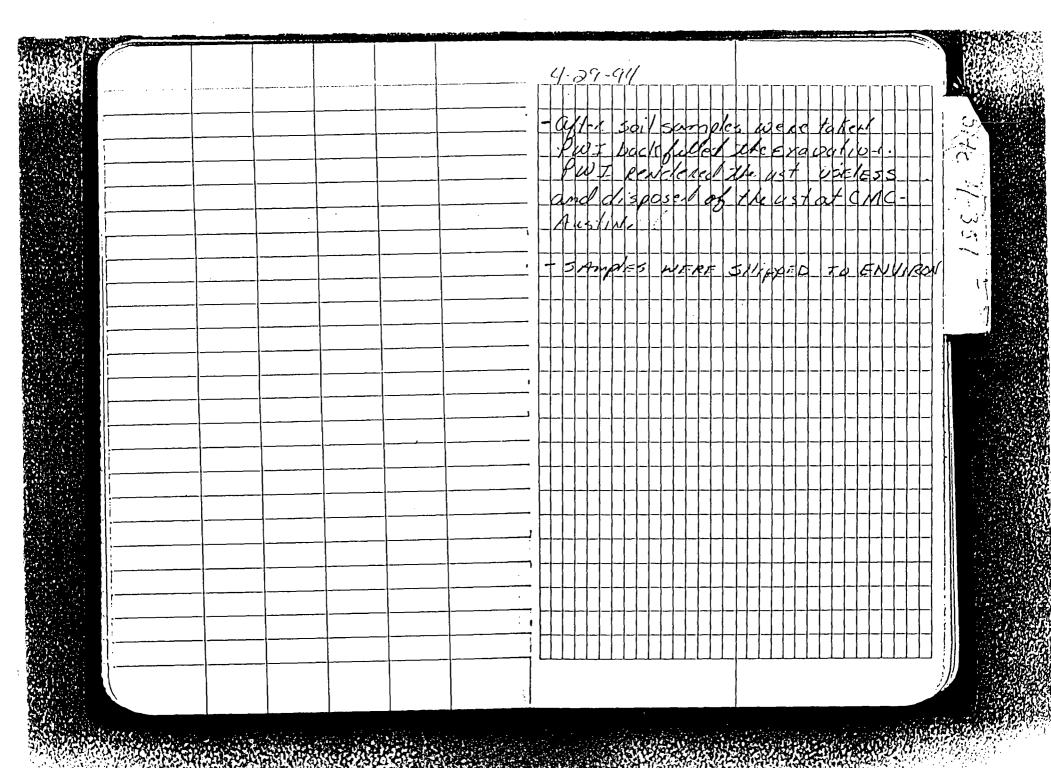
Arm Approved B No. 0704-0187 Expires Aug 31, 1992 PAGE 1 OF

(Contractor must submit four copies of Invoice)

ng inst ction o uding su cts, 121 tion Fo	ting burden for this collect ructions, searching existing f information. Send comment ggestions for reducing this 5 Jefferson Davis Highway, oject(0704-0187), Washingto procumement official identi	s data sources, go s regarding this to burden, to Washin Suite 1204, Arling n, DC 20503. Pleas	athering and burden estic ngton Headqu gton: VA 222	mate or a mate or a marters Se 202-4302.	ny other ervices, and to	oata nee aspect o Director the Offic	eded, and co of this coll rate for Inf se of Manage	ection of commation Opened and B	no reviewing the information, perations and udget, Paperwork
	UKCH ORDER NO. 2. DELIVE 3-92-D-0047 0008	RY ORDER NO.		OF ORDER. 03/94		ISITION/F 5392D-004	PURCH REQUES 17-0003	ST NO 5	. PRIORITY
UED BY	COL NEER DISTRICT, FTW	E DACA53	7. ADMINIST	ERED BY		CODE			
⇒)X 1730 AYLOR S (ATH, T AYNE IJ	T X 76102-0300	17)-334-4499	See Block	6				8	LDELIVERY FOB [] DEST [X] OTHER (See Schedule) 3 attached
TRACTOR	Vendor Id: 20011276 COI	DE 015:13	FACILITY CO	DE			R TO FOB PO 7/15/94	I YE TNIC	1.MARX IF BUS. IS [X] SHALL
AND RESS	PERRY WILLIAMS, INC.						OUNT TERMS % 8 Net 8		[] SMALL DIS- ADVANTAGED [] WOMEN-OWNED
	P.O. BOX 30204 AMARILLO, TX 79120-					13. MAIL See Bloo	INVOICES TO)	
-HTCNIO	COI NEER DISTRICT, FTW AREA OFFICE K, SUITE 245 TX 78228-1319 CACA6392D004	7/8883	15. FAYMENT DISBURSING US ARMY EM P O BOX 17. FT. WORTH,	OFFICER/ SINEER DI 300 TX 76102	CESWF—RII STRICT -0393	FTW		JAN	HAPLIALL EXEXAGES AND PAPERS WITH CONTRACT OR 3799 4UMBER
LIVERY	X This delivery order is to terms and conditions	issued on another of above numbers	Government d contract.	agency o	r in acc	ordance v	ith and	R. of George	धा, निक्षेत्र प्रिलेख्या ।
RCHASE	Reference your				f	urnish th	ne following	g on terms	specified herein.
EPTANCE. IS NOW H	THE CONTRACTOR HEREBY ACCE ODIFIED, SUBJECT TO ALL OF	PTS THE OFFER REI THE TERMS AND CON	FRESENTED B	Y THE NUM FORTH, A	SERED PU ND AGREE	IRCHASE OF IS TO PERF	RDER AS IT I	AY FREVIOU	isly have been
	F CONTRACTOR x is marked, supplier must	SIGNATURE sign Acceptance a	nd return	the follo	TYFE mun gnum	D NAME AN	D TITLE opies:		DATE SIGNED
COUNTI	NG AND APPROPRIATION DATA/L 21	OCAL USE MF/QE 2142	246284003 2020 08-			0-284 03.215	\$418,44 \$41443	8.00	-
TEM NO.	19. SCHEDULE (UST REMOVAL (11)	F SUPFLIES/SERVICE	E	20.QUAN ORDERED	TITY /ACCEPTE	D+ UNIT	22. UNIT F	RICE	23. ANOUNT
2351	OPTION YEAR ZONE 4: S				· 1	EA	. 393	37.599920	3937.59
	Site mobilization/dem	obilization					,		
33 <u>5</u> 2	Removal, transportati tank contents	on and disposal o	f.		74939	GL	.	5.240098	17769.90
antity av= as q	accepted by the Government uantity ordered, indicate fferent, enter actual	24. UNITED STATES	_		u	<u>.</u>	.	25. TOTAL	418448.88
ity acc	fferent, enter actual epted below quantity encircle.	BY: JANE C KEY		,	•	ING/ORDER	ING OFFICER	29. DIFFERENCE	:5
PITTIME	IN COLUMN 29 HAS BEEN	<u> </u>	27. SHIP	. NO.	28. D.O.	VOUCHER	ю.	30. INITIALS	
PECTED	[]RECEIVED []ACCEPTED A	ND CONFORMS TO THE	[[] Fi	ARTIAL					
	SIGNATURE OF AUTHORIZED	GOVERNYÐIT REP.	31. PAYM		32. FAID) BY		33. AMT VE	RIFIED CORRECT FOR
certify	this account is correct and		nt [] C	OMPLETE				34. CHECK	NUMBER .
:	SIGNATURE AND TITLE OF CERT	IFYING OFFICER	- [] F	ARTIAL INAL				35. BILL (OF LADING NO.

•	. · · ·					i	
					·	e	
					٠		
	· •						
	.cg '			,	·	,	
•							
	,		o				
	•						
		ダ ΈΡΑΥ (7	APPENDIX K:				*
•	,	AERUA U	OPIES OF FIELD	SHE BOOK			
3				•	•		
			•				
		٠		•			
	,	•					
			^			•	
		energen attenue v. e. Constitution					·





	•	
	• •	
	APPENDIX L:	
Ų	ADJAINA I AD DESTITED A STAINE AT COMPANY	
	ORIGINAL LAB RESULTS / CHAINS OF CUSTODY	0
	ORIGINAL LAB RESULTS / CHAINS OF CUSTODY	0
		•
		•
		•
		•
		•



Client: Perry Williams, Inc.

P. O. Box 30206

Amarillo, TX

79120

Date Received: 04/28/94

Time Received: 19:45

Date Sampled: 04/28/94

Client's Job #: GAFB-0-301

Chain of Custody #:

Report Date: 05/03/94 Chemron's Job #: 4182

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	BTEX Analysis Date	Benzene (PPM)	Toluene (PPM)	Ethylbenzene (PPM)	Xylenes (PPM)	Total BTEX (PPM)
35734	GAFB-0-301 Trip Blank	Water	04/29/94	<.005	<.005	<.005	<.015	<.03

Approved By: R. Ollyan

Analytical Methods: BTEX in Soil or Water - 8020

Client: Perry Williams, Inc.

P. O. Box 30206 Amarillo, TX 79120 Client's Job #: GAFB-0-301

COC #:

Report Date: 05/03/94

Chemron's Job#: 4182

Date & Time Received: 04/28/94, 19:45

Date Sampled: 04/28/94

CHEMICAL ANALYSIS REPORT

Chemron #	Sample Description	Sample Matrix	Date Analyzed	TPH (PPM)
35735	GAFB-0-301 GAFB-0-301-TC	Water	05/02/94	41.
Approved	By: R. Oldsuss		·	

Analytical Methods: TPH in Soil - 3540/418.1 or 3550/418.1, TPH in Water - 418.1

Client: Perry Williams, Inc.

P. O. Box 30206

Amarillo, TX 79120

Client's Job #: GAFB-0-301

COC #:

Date Sampled: 04/28/94
Date Received: 04/28/94
Sample Matrix: Water
Chemron ID #: 35735
Report Date: 05/03/94

Chemron's Job #: 4182

Sample Description:

GAFB-0-301 GAFB-0-301-TC

CHEMICAL ANALYSIS REPORT

Parameter	Value	Units	Date Analyzed	Analytical Method
Total Arsenic	<.05	MG/L	05/03/94	3005/6010
Total Barium	.056	MG/L	05/03/94	3005/6010
Total Cadmium	.012	MG/L	05/03/94	3005/6010
Total Chromium	<.007	MG/L	05/03/94	3005/6010
rotal Lead	<.03	MG/L	05/03/94	3005/6010
Total Mercury	<.001	MG/L	04/29/94	3005/7470
rotal Selenium	<.08	MG/L	05/03/94	3005/6010
Total Silver	<.005	MG/L	05/03/94	3005/6010

Approved By:



Client:

Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

Report Date: 5/3/94

Chemron Sample #: 35735 Sample Matrix: Water Client's Job #: GAFB-0-301

COC #: Date Sampled: 4/28/94

Date & Time Received:

4/28/94 19:45

Sample Description:

GAFB-0-301 GAFB-0-301-TC

CHEMICAL ANALYSIS REPORT

<u>Parameter</u>	Results	<u>Quant.</u> <u>Limit</u>	<u>Units</u>	<u>Date</u> Analyzed	Method
Acctone	0.75	0.010	mg/l	5/2/94	8260
Acrolcin	< 0.005	0.005	mg/l	5/2/94	8260
Acrylonitrile	< 0.004	0.004	mg/l	5/2/94	8260
Allyl chloride	< 0.003	0.003	mg/l	5/2/94	8260
Benzene	< 0.003	0.003	mg/l	5/2/94	8260
Bromodichloromethane	< 0.003	0.003	mg/l	5/2/94	8260
Bromoform	< 0.002	0.002	mg/l	5/2/94	8260
Bromomethane	< 0.006	0.006	mg/l	5/2/94	8260
2-Butanone (MEK)	0.17	0.010	mg/l	5/2/94	8260
Carbon tetrachloride	< 0.003	0.003	mg/l	5/2/94	8260
Chlorobenzene	< 0.004	0.004	mg/l	5/2/94	8260
Chloroethane	< 0.002	0.002	mg/l	5/2/94	8260
2-Chloroethyl vinyl ether	< 0.010	0.010	mg/l	5/2/94	8260
Chloroform	< 0.003	0.003	mg/l	5/2/94	8260
Chloromethane	< 0.005	0.005	mg/l	5/2/94	8260
Dibromochloromethane	< 0.003	0.003	mg/l	5/2/94	8260
1.2-Dibromo-3-chloropropane (DBCP)	< 0.006	0.006	mg/l	5/2/94	8260
1.2-Dibromoethane (EDB)	< 0.003	0.003	mg/l	5/2/94	. 8260
Dibromomethane	< 0.002	0.002	mg/l	5/2/94	8260
1.2-Dichlorobenzene	< 0.005	0.005	mg/l	5/2/94	8260
1.3-Dichlorobenzene	< 0.005	0.005	mg/l	5/2/94	8260
1.4-Dichlorobenzene	< 0.006	0.006	mg/l	5/2/94	8260
trans-1,4-Dichloro-2-butene	< 0.004	0.004	mg/l	5/2/94	8260
Dichlorodifluoromethane	< 0.003	0.003	mg/l	5/2/94	8260
1.1-Dichloroethane	< 0.003	0.003	mg/l	5/2/94	8260
1.2-Dichlorocthane (EDC)	< 0.003	0.003	mg/l	5/2/94	8260
1.1-Dichloroethene	< 0.005	0.005	mg/l	5/2/94	8260
cis-1,2-Dichloroethene	< 0.004	0.004	mg/l	5/2/94	8260
trans-1,2-Dichloroethene	< 0.004	0.004	mg/l	5/2/94	8260
Dichloromethane (Methylene chloride)	< 0.004	0.004	mg/l	5/2/94	8260
1.2-Dichloropropane	< 0.002	0.002	mg/l	5/2/94	8260
cis-1,3-Dichloropropene	< 0.002	0.002	mg/l	5/2/94	8260
trans-1.3-Dichloropropene	< 0.003	0.003	mg/l	5/2/94	8260
Diethyl ether	< 0.005	0.005	mg/l	5/2/94	8260
Ethylbenzene	0.011	0.005	mg/l	5/2/94	8260
Ethyl methacrylate	< 0.005	0.005	mg/l	5/2/94	8260
2-Hexanone	0.047	0.006	mg/l	5/2/94	8260
Methacrylonitrile	< 0.005	0.005	mg/l	5/2/94	8260
Methyl iodide (Iodomethane)	< 0.005	0.005	mg/l	5/2/94	8260
Methyl methacrylate	< 0.004	0.004	mg/l	5/2/94	8260
4-Methyl-2-pentanone (MIBK)	0.016	0.010	mg/l	5/2/94	8260
Propionitrile	< 0.010	0.010	mg/l	5/2/94	8260
Styrene	< 0.004	0.004	mg/l	5/2/94	8260
1.1.1.2-Tetrachloroethane	< 0.005	0.005	mg/l	5/2/94	8260



Client:

Perry Williams, Inc.

P. O. Box 30206

Amarillo, TX 79120

Report Date: 5/3/94

Chemron Sample #: 35735 Sample Matrix: Water

Client's Job #: GAFB-0-301

COC #:

Date Sampled: 4/28/94

Date & Time Received:

4/28/94

19:45

Sample Description:

GAFB-0-301 GAFB-0-301-TC

CHEMICAL ANALYSIS REPORT

		Quant.		Date	
<u>Parameter</u>	<u>Results</u>	Limit	<u>Units</u>	Analyzed	Method
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/l	5/2/94	8260
Tetrachloroethene	< 0.005	0.005	mg/l	5/2/94	8260
Toluene	0.026	0.003	mg/l	5/2/94	8260
1,1,1-Trichlorocthane	< 0.005	0.005	mg/l	5/2/94	8260
1,1,2-Trichlorocthane	< 0.003	0.003	mg/l	5/2/94	8260
Trichloroethene	< 0.002	0.002	mg/l	5/2/94	8260
Trichlorofluoromethane	< 0.005	0.005	mg/l	5/2/94	8260
1.2,3-Trichloropropane	< 0.003	0.003	mg/l	5/2/94	8260
Vinyl chloride	< 0.003	0.003	mg/l	5/2/94	8260
m.p-Xylene	0.051	0.005	mg/l	5/2/94	8260
o-Xylene	0.027	0.004	mg/l	5/2/94	8260

Approved by:

All test method numbers are references to U.S. Environmental Protection Agency methods unless otherwise noted. If an analytical value is shown with the less than sign ("<"), this indicates that the parameter was not detected. The corresponding number then represents the nominal practical quantitation limit for the analytical procedure employed.

VOA Stat's

File Name	Dato	Sur#1, %R (1,2-DCE,d4)	Surr#2 %R (Tol.d8)	Sшт#3, %R (4-BFB)		Istd 1	istd 2	Isid 3
05BFB02.D	5/2/94			108.86		1.90E+06	8.29E+06	2.30E+06
05VSTD02.D	5/2/94	101,20	96.07	99.16		1.51E+06	6.94E+06	1.96E+06
05VBLK02.D	5/2/94	97.64	94.90	102.49		1.55E+06	6.85B+06	1.94E+06
35735.D	. 5/2/94	98,00	98,59	111.24		1.43E+06	6.44E+06	1,81E+06
35735MS.D	5/2/94	95.57	97.20	121.70		1.51E+06	6.74B+06	1.80E+06
35735MSD.D	5/2/94	96,64	98.82	123.47		1.36E+06	6.07B+06	1.61B+06
						I	std Area Limit	4
Mean		97.81	97.12	111.15	L	7.57E+05	3.47E+06	9.81E+05
Std. Dev.		2.12	1.67	9.87	H	3.03E+06	1.39E+07	3.92E+06
% Std. Dov.		2.17	1.72	8.88				
•		Surros	ale %Rocovery	Limite				
Water		76-110	88-110	86-115				
Soil		70-121	81-117	74-121				
								9 P - 4
				Results (ppm)		Target (ppm)	%Recovery	Rel %Diff, (Precision)
35735		Benzene		0.050		0.050	100,0%	-7.7%
Water		Chlorobenzene		0.053		0.050	106,0%	-7.3%
Matrix Spike		1,1-Dichlorocth	cne	0.057		0.050	114.0%	0.0%
		Toluene		0.074		0.076	97.4%	4.0%
•		Trichloroethene	:	0.046		0.050	92.0%	-8.3%
35735		Benzene		0.054		0.050	108.0%	•
Water		Chlorobenzene		0.057		0.050	114.0%	
Matrix Spike		1,1-Dichloroeth	ene	0.057		0,050	114.0%	
Duplicate		Toluene		0.077		0.076	101.3%	
		Trichloroethene	!	0.050		0.050	100.0%	



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

05/10/94

Chemron Sample #:

35735

Sample Matrix:

Water

Sample Description:

Project No.

Project Name/Location: GAFB.0.301/San Marcos, TX.

Client Sample ID #: GAFB.0.301.TC

POLYCHLORINATED BIPHENYLS ANALYSIS RESULTS

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
Aroclor 1016	0.5	UG/L	ND	05/07/94	8080
Arocior 1221	1.0	UG/L	ND	05/07/94	8080
Aroclor 1232	0.5	UG/L	ND	05/07/94	8080
Aroclor 1242	0.5	UG/L	ND	05/07/94	8080
Aroclor 1248	0.5	UG/L	ND	05/07/94	8080
Aroclor 1254	0.5	UG/L	ND	05/07/94	8080
Aroclor 1260	0.5	UG/L	ND ·	05/07/94	8080

ND - Not Detected

Approved By:

7. olaham



Client: Perry Williams, Inc.

2700 S. Wilson

Amarillo, Texas 79103

Report Date:

05/10/94

Chemron Sample #: Sample Matrix: 35735 Water

Sample Description:

Project No.

Project Name/Location: GAFB.0.301/San Marcos, TX.

Client Sample ID #: GAFB.0.301.TC

SEMI-VOLATILES ANALYSIS REPORT

				Date	Test
ANALYTE	MDL	Units	RESULTS	Analyzed	Method
Acenaphthene	1000	UG/L	ND	05/09/94	8270
Acenaphthylene	1000	UG/L	ND	05/09/94	8270
Acetophenone	1000	UG/L	ND	05/09/94	8270
Aniline	1000	UG/L	ND	05/09/94	8270
Anthracene	1000	UG/L	ND	05/09/94	8270
4-Aminobiphenyl	1000	UG/L	ND	05/09/94	8270
Benzidine	5000	UG/L	ND	05/09/94	8270
Benzo(a)anthracene	1000	UG/L	ND	05/09/94	8270
Benzo(b)fluoranthene	1000	UG/L	ND	05/09/94	8270
Benzo(k)fluoranthene	1000	UG/L	ND	05/09/94	8270
Benzo(g,h,i)perylene	1000	UG/L	ND	05/09/94	8270
Benzo(a)pyrene	1000	UG/L	ND	05/09/94	8270
Benzoic Acid	5000	UG/L	ND	05/09/94	8270
Benzyl alcohol	2000	UG/L	ND	05/09/94	8270
Bis(2-chloroethoxy)methane	1000	UG/L	ND	05/09/94	8270
Bis(2-chloroethyl)ether	1000	UG/L	ND	05/09/94	8270
Bis(2-chloroisopropyl)ether	1000	UG/L	ND	05/09/94	8270
Bis(2-ethylhexyl)phthalate	1000	UG/L	ND	05/09/94	8270
4-Bromophenylphenyl ether	1000	UG/L	ND	05/09/94	8270
Butylbenzyl phthalate	1000	UG/L	ND	05/09/94	8270
4-Chloroaniline	2000	UG/L	ND	05/09/94	8270
1-Chloronaphthalene	1000	UG/L	ND	05/09/94	8270
2-Chloronaphthalene	1000	UG/L	ND	05/09/94	8270
4-Chloro-3-methylphenol	2000	UG/L	ND	05/09/94	8270
2-Chlorophenol	1000	UG/L	ND	05/09/94	8270
4-Chlorophenylphenyl ether	1000	UG/L	ND	05/09/94	8270
Chrysene	1000	UG/L	ND	05/09/94	8270
Dibenz(a,h)anthracene	1000	UG/L	ND	05/09/94	8270
Dibenzofuran	1000	UG/L	ND	05/09/94	8270

Chemron Sample #:

35735

SEMI-VOLATILES ANALYSIS REPORT

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
1,3-Dichlorobenzene	1000	UG/L	ND	05/09/94	8270
1,4-Dichlorobenzene	1000	UG/L	ND	05/09/94	8270
1,2-Dichlorobenzene	1000	UG/L	ND	05/09/94	8270
3,3'-Dichlorobenzidine	2000	UG/L	ND	05/09/94	8270
2,4-Dichlorophenol	1000	UG/L	ND	05/09/94	8270
2-6-Dichlorophenol	1000	UG/L	ND	05/09/94	8270
Diethylphthalate	1000	UG/L	ND	05/09/94	8270
a,a-Dimethylphenethylamine	1000	UG/L	ND	05/09/94	8270
2,4-Dimethylphenol	1000	UG/L	ND	05/09/94	8270
Dimethylphthalate	1000	UG/L	ND	05/09/94	8270
Di-n-butylphthalate	1000	UG/L	ND	05/09/94	8270
4,6-Dinitro-2-methylphenol	5000	UG/L	ND	05/09/94	8270
2,4-Dinitrophenol	5000	UG/L	ND	05/09/94	8270
2,4-Dinitrotoluene	1000	UG/L	ND	05/09/94	8270
2,6-Dinitrotoluene	1000	UG/L	ND	05/09/94	8270
Di-n-octylphthalate	1000	UG/L	ND	05/09/94	8270
1,2-Diphenylhydrazine	5000	UG/L	ND	05/09/94	8270
Fluoranthene	1000	UG/L	ND	05/09/94	8270
Fluorene	1000	UG/L	ND	05/09/94	8270
Hexachlorobenzene	1000	UG/L	ND	05/09/94	8270
Hexachlorobutadiene	1000	UG/L	ND	05/09/94	8270
Hexachlorocyclopentadiene	1000	UG/L	ND	05/09/94	8270
Hexachloroethane	1000	UG/L	ND	05/09/94	8270
Indeno(1,2,3-cd)pyrene	1000	UG/L	ND	05/09/94	8270
Isophorone	1000	UG/L	ND	05/09/94	8270
3-Methylcholanthrene	1000	UG/L	ND	05/09/94	8270
2-Methylnaphthalene	1000	UG/L	1,100	05/09/94	8270
2-Methylphenol	1000	UG/L	ND	05/09/94	8270
4-Methylphenol *	1000	UG/L	ND	05/09/94	8270
Naphthalene	1000	UG/L	ND	05/09/94	8270
l-Naphthylamine	1000	UG/L	ND	05/09/94	8270
2-Naphthylamine	1000	UG/L	ND	05/09/94	8270
2-Nitroaniline	1000	UG/L	ND	05/09/94	8270
3-Nitroaniline	1000	UG/L	ND	05/09/94	8270
4-Nitroaniline	1000	UG/L	ND	05/09/94	8270
Nitrobenzene	1000	UG/L	ND	05/09/94	8270
2-Nitrophenol	1000	UG/L	ND	05/09/94	8270
4-Nitrophenol	5000	UG/L	ND	05/09/94	8270



Chemron Sample #:

35735

SEMI-VOLATILES ANALYSIS REPORT

ANALYTE	MDL	Units	RESULTS	Date Analyzed	Test Method
N-Nitroso-di-n-butylamine	1000	UG/L	ND	05/09/94	8270
N-Nitrosodimethylamine	1000	UG/L	ND	05/09/94	8270
N-Nitrosodi-n-phenylamine **	1000	UG/L	ND	05/09/94	8270
N-Nitroso-di-n-propylamine	1000	UG/L	ND	05/09/94	8270
Pentachlorobenzene	1000	UG/L	ND	05/09/94	8270
Pentachloronitrobenzene	1000	UG/L	ND	05/09/94	8270
Pentachlorophenol	5000	UG/L	ND	05/09/94	8270
Phenacetin	1000	UG/L	ND	05/09/94	8270
Phenanthrene	1000	UG/L	ND	05/09/94	8270
Phenol	1000	UG/L	ND	05/09/94	8270
Pyrene	1000	UG/L	ND	05/09/94	8270
Pyridine	1000	UG/L	ND	05/09/94	8270
1,2,4,5-Tetrachiorobenzene	1000	UG/L	ND	05/09/94	8270
2,3,4,6-Tetrachlorophenol	1000	UG/L	ND	05/09/94	8270
1,2,4-Trichlorobenzene	1000	UG/L	ND	05/09/94	8270
2,4,5-Trichlorophenol	1000	UG/L	ND	05/09/94	8270
2,4,6-Trichlorophenol	1000	UG/L	ND	05/09/94	8270

ND - not detected

Approved By:

All test method numbers are references to US Environmental Protection Agency methods unless otherwise noted. MDLs shown represent the minimum detection limit for the analytical procedure used based on the amount of sample analyzed.

^{*} Co-elutes with 3-Methylphenol

^{**} Inseparable from Diphenylamine

CHEMRONINCORPORATED

Client: Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

Client's Job #: GAFB-0-301

Chain of Custody #:

Report Date: 04/29/94

Page #: 1

QUALITY ASSURANCE REPORT

Control Limit
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%
<30%



Client: Perry Williams, Inc. P. O. Box 30206

Amarillo, TX 79120

10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121

Client's Job #: GAFB-0-301

Chain of Custody #:

Report Date: 05/03/94

Page #: 1

QUALITY ASSURANCE REPORT

Description / Parameter	Matrix	Analysis Date	Spike Concentration	Analyzed Value	Background Value	% Recovery	Control Lower	Limits Upper	Relative % Difference	Control Limit
MS - Chromium	Water	05/03/94	1	1.008	<.007	100.	75%	125%	6.4%	<30%
MSD - Chromium	Water	05/03/94	1	1.075	<.007	107.	75%	125%	6.4%	<30%
MS - Lead	Water	05/03/94	1	.948	<.03	94.8	75%	125%	4.3%	<30%
MSD - Lead	Water	05/03/94	1	.908	<.03	90.8	75%	125%	4.3%	<30%
MS - Mercury	Water	04/29/94	25	25.9	<1	103.	75%	125%	2.3%	<30%
MSD - Mercury	Water	04/29/94	25	25.4	<1	101.	75%	125%	2.3%	<30%
MS - Selenium	Water	05/03/94	1	1.054	<.08	105.	75%	125%	7.2%	<30%
MSD - Selenium	Water	05/03/94	1	.981	<.08	98.1	75%	125%	7.2%	<30%
MS - Silver	Water	05/03/94	1	.890	<.005	89.0	75%	125%	5.6%	<30%
MSD - Silver	Water	05/03/94	1	.941	<.005	94.1	75%	125%	5.6%	<30%

CHEMRONINCORPORATED

10526 Gulfdale • San Antonio, Texas 78216 (210) 340-8121 (800) 572-6955

4182

COC #: 1854

CHAIN OF CUSTODY RECORD

Project Number:			•			Project	ct Name: HB • 0 • 3	201										
Project posto	Mos,	VX			_	Same	Mer Signature:	250to										
ID # LAB USE ONLY	Date Sam	Time	Matrix [s,w,f]	Composite	Grab	Boring	FIELD ID#	FIELD DESCRIP	TION	No. of Containers		LYSI:		Vi.			(Press	REMARKS ervertion, Size/Amount, Etc.)
35734	PH SH	17:00	W		<u> </u>			TRIP BLANK		2	/						ricl	40 ml VOA'S
	28 Aprily	17:05	W					GAFB.O.301.TC		2		V	\ \				HCl HCl	40 m Von's 1 lit Anber
35735	5	-	\bigcap					GAFB.0.301.TC		1				V	\			1 1.4 Amber
(4					GAFB-0-301-TC		1						~	Hsb3	1 1.7 Amber 250 ml plassic.
	-																	
Relinquished by: Relinquished by:	el 5	To-			7	Date APL9 Date	Time 18:00 Time	Received by: [Signature] Received by: [Signature]	ľ	dspac	ce Sealed		Yes	No .v				t ain
Relinquished by:	Signatur	·e}			1	Date	Time	Received by: [Signature]	Chil	led to	o 40°F		N	1				p
Relinquished by:	[Signatur	e]				Date	Time	Received by: [Signature]			Containe al comm			_				
Relinquished by:	[Signatur	e]			1	Pete 1/28/9	Time 94/945	Received for Laboratory by: Signature										



Field Code

Environmental Laboratories, Inc. 812 W. 9TH Amarillo, Texas 79101 806-376-7004

TRPH

TRPH

BTEX

Client:

Perry Williams Inc.

P.O. Box 30206

Toluene

Ethyl Benzene

Amarillo, TX 79120

Project Name: GAFB 0-301

Location: San Marcos, TX

DO#: 0008

Date Sampled:

4/29/94

Date Received:

4/30/94

Sample Type:

SoilWater*

Sample Condition:

Intact-Chilled

Sample Rec'd By:

Xylenes

RB

C-O-C#

TOTAL

NA

Total Lead

Total Lead

Lab ID#	Description	Analysis Date	ppm	Analysis Date	ppm	ppm	ppm	ppm	BTEX_	Analysis Date	ppm
404042-1*	TRIP BLANK		,	4/30/94	<0.005	<0.005	<0.005	<0.015	<0.030		
404042-2*	GAFB-0-301-NW/RB	5/1/94	<0.200	4/30/94	<0.005	<0.005	<0.005	<0.015	<0.030	4/30/94	<0.1
404042-3	GAFB-0-301-NW/QC	5/1/94	<5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	10.9
404042-4	GAFB-0-301-NW	5/1/94	<5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	7.2
404042-5	GAFB-0-301-EW	5/1/94	< 5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	15.6
404042-6	GAFB-0-301-SW	5/1/94	<5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	9.4
404042-7	GAFB-0-301-WW	5/1/94	<5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	10.5
404042-8	GAFB-0-301-BH	5/1/94	<5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	12.8
404042-9	GAFB-0-301-SPA	5/1/94	<5	4/30/94	<0.1	<0.1	<0.1	<0.3	<0.6	4/30/94	11.2
TDDU 00	0		DIEV 00		0.15 (0.1	.			G. 1	15 (2)	404
TRPH QC:	: Standard Recovery(%) Spike Recovery(%)		BTEX QC:	Benzene	Std Rec(%) 85	Spike Rec(%) 84		LEAD QC:		ard Recovery(%) ike Recovery(%)	101 108
	Duplicate(%Diff)			Toluene	86	85			Sμ	Duplicate(%Diff)	3
	Blank(Soil)			Ethyl Benzene	88	86				Blank(Soil)	<5
	Blank(Water)	<0.200		Xylenes	85	- 81				Blank(Water)	<0.1
				Duplicate(%Diff)	Blank					
				0		< 0.005					

Benzene

METHODS: BTEX-EPA SW 846-8020 with EPA Method 5030, TRPH-EPA SW 846-418.1 with EPA Method 9071, LEAD-EPA SW 846-7421 with 3020/3050

Rick Baker

Lab Director

5/1/94

Date



ENVIRONMENTAL LABORATORIES, INC. 812 W. 9TH Amarillo, Texas 79101 (806) 376-7004

Project Manager:						Phone #	(800)4	CHAIN OF CUSTODY RECORD													
Address: 2700 S. W.750V						FAX #:	(BC6) 37	71-0340													
Project Number: Do#:008						Project	Name:														
Project Location: SAN MAK	,78				Sampler	Signature:	Solo														
ID# Lab Use Only	Sampling Bate Bate Bate Bate Bate Bate Bate Bate		Matrix [s,w,f]	Composite	Grab	Boring	Field ID #	Field Description			Analysis Remarks (Proservation, Star/Amount, etc.)										
404042-129	11/254				~			TRIP BLAN	X		2	~						Hel	40 m	I VOA	
404042-2		10100		4			-	CHER O 30	1 1 1 / 01		\$	V	<i>V</i>	V						-5-450	
-3		10:00	i		~		5778	GAFB.0.301			1	$\frac{\nu}{\nu}$	~ ~	V					SEE N	SEALED	
- 4		10:05			1		5483	6AFB.0.30			1							•	-7 0 2	SERCED	
-5		10:00	,				5774	01111000	• EW			$\overline{}$						-			
-b		10:15					5544		,5W										,		
-7		10:20			7		5771		· WW												
-8		10:25			4		5424		·BH)_									
-9		10:30	1	V	4		5537		·spA		1	V.		1							
Relinquished by: (Signature)				2	Date An 94	Time 14:00	Received by: (Signature)	eccived by: (Signature)			emarks: Yes No										
Relinquished by: (Signature)			,	Date	Time	Received by: (Signature)		Headspace						—ı	If Yes, Amt.						
Relinquished by: (Signature)						Date	Time	Received by: (Signature)		Properly Sealed Chilled to 40°F					If No, Explain If No, Temp						
Relinquished by: (Signature)					Date	Time	Received by: (Signature)		Type of Container NOTE: RINSATE BUNK												
Relinquished by: (Signature)					1 Date 30/94	Time /2:20P	Received for Laboratory b Signature	Bohn	Additional comments: 2; 40 ml VDA * RECD LONE STAR OVERNIGHT 1; 1 lit Amberz 1:250 ml girstic								د		BIEX TRPH LIHO		

Formerly Used Defense Sites (FUDS)

Work Assignment No. R06078

Site Name: Gary Job Corp & San Marcos Municipal Airport

Project Number: K06TX023200

EPA Number:

✓ Active

Former Site Name: Gary Air Force Base

Brief History of Site: Used from 1942-1964 as navigation and advanced aviation school.

Zip:

Address: Hwy. 21, 4 miles East of San Marcos

City: San Marcos

State: Texas

County: Caldwell

CoE District: Fort Worth

Size of Facility in Acres:

2236.56

CoE Contact: Randy Niebuhr

Phone Number:

Current Owner/s: Department of Labor; City of San Marcos.

Current Usage of Site: Job Corp Center; Municipal Airport

Medium Contaminated:

Ground Water

Soil

Constituents of Concern: VOC, BTEX, TPH, PAHs, Lead, PCB's.

Category of Hazard: CON/HTRW

PRP

CoE Further Action: COE working with TNRCC.

OEW Risk Assessment Code:

Activities Completed at the Site:

PA

RI/FS

RA

Formerly Used Defense Sites (FUDS)

Work Assignment No. R06078

Site Name: Gary Job Corp & San Marcos Municipal Airport

Comments: The COE and TNRCC are currently work together on delineating groundwater plume.

Sixteen USTs and associated piping have been removed. Contamination detected in soil and

groundwater.

Further Action Recommended: No NPL Evaluation: Medium

NPL Justification: Have several sources at site. Have documented observed release to shallow aquifer.

Are some residence with private drinking water wells. TNRCC currently working with

COE & City of San Marcos to clean-up site.

Data Entered By: SC Date Data Was Entered: 11/6/98

Technical Review By: SC Data Reviewed By: AJ

References

Site Name: Gary Job Corp. & San Marcos Municipal Airport

Site Number: K06TX023200

Reference Document Orig COE

Organization Division Environmental Division

Document Name Letter to Mr. Antonio Pina

Document Date 2/6/98

Author Mark E. Sennons

Reference Document Orig COE

Organization Division CESWD-ED-G

Document Name Memorandum: DERP-FUDS INPR for Site No. K06TX023200,

Former Gary Air Force Base, TX.

Document Date 6/9/92

Author Robert L. Herndon, Brigadier General

Reference Document Orig TNRCC

Organization Division Petroleum Storage Division

Document Name Letter to Mark E. Sinnons, Fort Worth District COE: Subsurface

Hydrocarbon Contamination at the Former Gary Air Force Base.

Document Date 6/17/97

Author Barbara Roeling, Acting Team Leader

Reference Document Orig TPG

Organization Division Thompson Professional Group, Inc. Houston, TX.

Document Name Limited Site Assessment Former Gary Air Force Base Caldwell

County, TX.

Document Date 2/6/97

Author L.J. Wieting, Jr.

References

Reference Document Orig EPA

Organization Division (6H-MA)

Document Name Letter: FOI Request for Sampling Mission Report for Gary Job

Corps Center, San Marcos, TX. (TX1161630644). Attachment.

Document Date 4/19/89

Author Presley B. Hatcher



DEPARTMENT OF THE ARMY SOUTHWESTERN DIVISION. CORPS OF ENGINEERS 1114 COMMERCE STREET DALLAS, TEXAS 75242-0216

CESWD-ED-GY

C9-JUN-1992

MEMORANDUM FOR

CDR, USACE, ATTN: CEMP-R, WASH DC 20314-1000

Commander, Huntsville Division Commander, Missouri River Division

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No. \(\) KO6TX023200, Former Gary Air Force Base, TX-

- 1. I am enclosing for appropriate action the INPR for the subject FUDS site which has been determined to be eligible under the DERP-FUDS program.
- 2. I recommend that CEMP-R approve the proposed Containerized/ Hazardous Toxic Waste (CON/HTW) Project No. K06TX023201 and assign the project through the Southwestern Division to the Fort Worth District. I also recommend that CEMP-R and CEMRD determine further appropriate action on the proposed PRP/HTW Project No. K06TX023202 and request expeditious action on this INPR due to state of Texas regulatory agency involvement.

Encl

ROBERT L. HERNDON Brigadier General, USA Commanding

CF (w/signed FDE):
[CESWF-ED-G

CESWT-EC-GR (CESWF-ED-G/2 August 1991) (415-10c) 1st End Mr. Bratcher/bs/918-581-6652 SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No. K06TX023200, San Marcos Municipal Airport and Gary Job Corps Properties (Formerly Gary Air Force Base), San Marcos, Texas

DA, Tulsa District, Corps of Engineers, P.O. Box 61, Tulsa, OK 74121-0061

FOR Commander, Southwestern Division (CESWD-PP-MM/Mr. Harrigan)

- 1. Recommend approval and signature by the Commander, Southwestern Division, on the Findings and Determination of Eligibility (FDE) for the former Gary Air Force Base, DERP-FUDS Site No. K06TX023200. It has been determined that the site was formerly used by the Department of the Air Force and the Department of the Army and is eligible for consideration under DERP-FUDS.
- 2. It has been determined that there is an eligible Potential Responsible Party/Hazardous and Toxic Waste (PRP/HTW) project at the site. Please forward a copy of the INPR (with signed FDE) to HQUSACE and to Missouri River Division for a determination of further action for the PRP/HTW project. Expedition of the approval process is requested due to recent interest in the project by State of Texas regulatory agencies.
- 3. A copy of the INPR should also be forwarded to Huntsville Division for the Preliminary Assessment file.

FOR THE COMMANDER:

4 Encls

ROBERT D. BROWN

Deputy District Engineer for

Project Management

DEPARTMENT OF THE ARMY FORT WORTH DISTRICT, CORPS OF ENGINEERS

REPLY TO ATTENTION OF:

P.O. BOX 17300 FORT WORTH, TEXAS 76102-0300

CESWF-ED-G (200-1a)

2 August 1991

MEMORANDUM THRU COMMANDER, TULSA DISTRICT, ATTN: CESWT-EC-GR (RANDY BRATCHER)

FOR COMMANDER, SOUTHWESTERN DIVISION, ATTN: CESWD-ED-E (DAVID BARBER)

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No. K06TX023200, San Marcos Municipal Airport and Gary Job Corps Properties (Formerly Gary Air Force Base), San Marcos, Texas

- 1. This INPR reports on the DERP-FUDS preliminary assessment of the San Marcos Municipal Airport and Gary Job Corps properties. An initial site visit was conducted in 1986, with additional site visits being conducted on 8 February and 19 March 1991. The site survey summary sheet and site maps are at Encl 1.
- 2. It was determined that the site was formerly used by the Army and Air Force. A recommended Findings and Determination of Eligibility is at Encl 2.
- 3. It has also been determined there is hazardous waste at the site eligible for cleanup under DERP-FUDS. The categories of hazardous waste at the site are BD/DR, CON/HTW, and PRP/HTW. The Army constructed hangars, warehouses, numerous facility support buildings, runways, taxiways, utilities, underground fuel storage tanks, underground fuel lines, family housing units, railroad spurs, and a security fence at the former base. The improvements constructed at the site by the Army were in sound condition when the base was deactivated and are currently being beneficially used by the Department of Labor and the city of San Marcos. Therefore, due to policy considerations, a BD/DR project is not proposed at this site. A project summary sheet and DD Form 1391 are at Encl 3 for the proposed CON/HTW project. A project summary sheet is at Encl 4 for the proposed PRP/HTW project.
- 4. I recommend that you:
 - a. Approve and sign the Findings and Determination of Eligibility;
- b. Forward a copy of this INPR to CEMRD for appropriate action on the PRP/HTW project;
 - c. Forward a copy of this INPR to CEHND for the PA file; and
- d. Forward a copy of this INPR to CEMP-R requesting approval and funds for this District to accomplish the CON/HTW project. If funds are provided for the CON/HTW project, Fort Worth District can award a tank removal contract.

4 Encls

WILLIAM D. BROWN

Colonel, EN Commanding

SITE SURVEY SUMMARY SHEET FOR

DERP-FUDS SITE NO. K06TX023200 SAN MARCOS MUNICIPAL AIRPORT AND GARY JOB CORPS PROPERTIES, TX AUGUST 1991

SITE NAME: San Marcos Municipal Airport and Gary Job Corps properties, formerly Gary Air Force Base.

LOCATION: The site is located along Texas Highway 21), approximately four miles east of San Marcos, Caldwell County, Texas.

SITE HISTORY: In 1942, the U.S. War Department purchased 2,236.56 acres (2,230.08 fee acres and 6.48 easement acres) in Caldwell County, Texas. The base was designated the San Marcos Army Airfield in 1943 and was used by the Army as a navigation school. In 1948, the base was redesignated as the San Marcos Air Force Base; in 1953, it was renamed as the Gary Air Force Base; and finally in 1955, the base name was changed to Edward Gary Air Force Base. Also in 1955, the mission of the base was changed from a navigation school to an advanced aviation school. The base was improved as a flying field with associated facilities and structures following the change in the mission. The former base was reported excess to the General Services Administration (GSA) on 11 September 1964. The current owners are the Department of Labor (Gary Job Corps) and the city of San Marcos, Texas.

SITE VISIT: In 1986, personnel from CESWF toured the Gary Job Corps (GJC) property with Mr. Dick Moncure, GJC Facilities Manager. On 8 February and 19 March 1991, Mr. Randy Neibuhr, CESWF, met with Mr. Moncure and also Mr. Steve Jenkins, Director for the Department of Environment and Engineering, city of San Marcos.

CATEGORY OF HAZARDS: The categories of potential hazards are CON/HTW and PRP/HTW. The remaining Department of Defense (DOD) structures at the former air base are: airplane hangars, warehouses, numerous facility support buildings, family housing, runways, taxiways, utilities, underground fuel storage tanks, underground fuel lines, railroad spurs, streets, and a security fence. The structural improvements constructed at the site by the Army and Air Force were in sound condition when the base was deactivated and are currently being beneficially used by the Department of Labor and the city of San Marcos. Therefore, due to policy considerations, a BD/DR project is not proposed at this site.

PROJECT DESCRIPTION: There are two potential projects at this site.

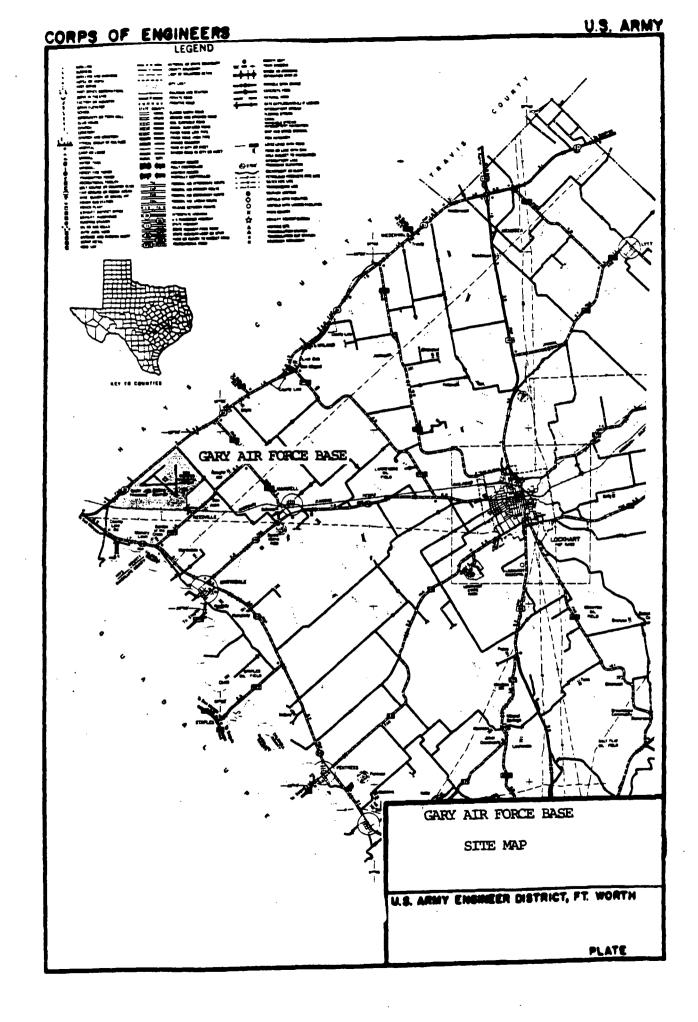
a. CON/HTW. The project would consist of the removal of 16 underground storage tanks (USTs) which have not been beneficially

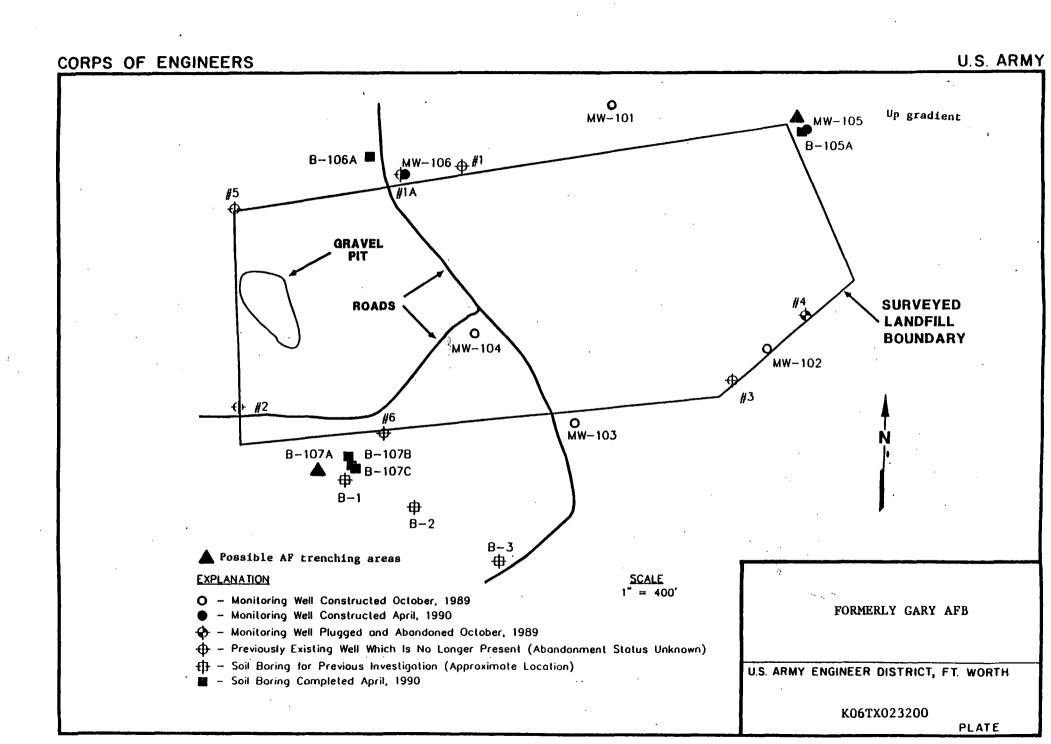
used, a survey to locate two suspected USTs, removal of the two suspected USTs if they are found, removal of underground fuel lines and fuel pumps and manifolds, and the removal of five overhead fuel dispensers. The Gary Job Corps has removed four other USTs and has used one UST, which is not proposed for removal under this project. The CON/HTW project is proposed under Project No. KO6TXO23201.

b. PRP/HTW. The city of San Marcos, Texas, established a municipal landfill in 1969 on a portion of the former base. Contaminated groundwater has been detected in monitoring wells surrounding the landfill and in private drinking water wells south of the former base. Aerial photographs taken during the time the base was active have been obtained by the City which shows suspicious trenches on the east side of the former base. The City is also aware of past disposal practices conducted by the Gary Job Corps. The Texas Department of Health is requiring the City to expand the groundwater monitoring program, but the City contends that they should not bear the total financial burden of the monitoring and testing of the wells since the monitoring wells may be reflecting contaminants contributed by past and present occupants of the site. The PRP/HTW project is proposed under Project No. K06TX023202.

AVAILABLE STUDIES AND REPORTS: Attachment 1 - UST Summary; Attachment 2 - 1989 EPA Gary Airfield Sampling and Analysis; Attachment 3 - 1989 City of San Marcos Draft Report - Ground-Water Assessment, City of San Marcos Landfill; Attachment 4 - 1990 City of San Marcos - Documentation of Well Installation and Ground-Water Sampling and Analysis; Attachment 5 - 1990 Results from Fort Worth District, Private Drinking Water Well Sampling.

FORT WORTH DISTRICT POC: Randy Niebuhr, 817/334-3223.





DEFENSE ENVIRONMENTAL RESTORATION PROGRAM FORMERLY USED DEFENSE SITES PROGRAM FINDINGS AND DETERMINATION OF ELIGIBILITY

SAN MARCOS MUNICIPAL AIRPORT AND GARY JOB CORPS PROPERTIES, TX SITE NO. K06TX023200

FINDINGS OF FACT

- 1. In 1942, the U.S. War Department purchased 2,236.56 acres (2,230.08 fee acres and 6.48 easement acres) located along Texas Highway 21, four miles east of San Marcos, Texas. The site was developed and named San Marcos Army Airfield. The base was renamed San Marcos Air Force Base in 1948, redesignated Gary Air Force Base in 1953, and finally renamed Edward Gary Air Force Base in 1955.
- 2. The Army established a navigation school at the former base. In 1955, the facilities were expanded and the Air Force established an advanced aviation school at the site. Improvements constructed at the site include: airplane hangars, warehouses, numerous facility support buildings, family housing units, runways, taxiways, utilities, underground fuel storage tanks, underground fuel lines, railroad spurs, and a security fence. The facility remained active until it was deactivated in 1964. The site was never subject to other than Department of Defense (DOD) control during the period of DoD interest.
- 3. On 11 September 1964, the base (2,236.56 acres), was reported excess to the General Services Administration (GSA). The site was transferred to the city of San Marcos and the Department of Labor (DOL). There was a recapture clause in the deeds to the City and the DOL. The following statement was also included in both deeds:

"The party of the second part does hereby release the Government, and will take whatever action may be required by the Administrator of General Services to assure the complete release of the Government from any and all liability the Government may be under for restoration or other damages under any lease or other agreement covering the use by the Government of the airport, or part thereof, owned, controlled or operated by the Party of the Second Part, upon which, adjacent to which, or in connection with which, any property transferred by this deed was located or used; provided, that no such release shall be construed as depriving the Party of the Second Part of any right it may otherwise have to receive reimbursement under Section 17 of the Federal Airport Act (49 U.S.C. 1116) for the necessary rehabilitation or repair of public airports heretofore or hereafter substantially damaged by any Federal agency."

DETERMINATION

Based on the foregoing findings of fact, the site has been determined to be formerly used by the Department of Defense. It is, therefore, eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites, established under 10 USC 2701 et seq.

DATE

OBERT L. HERNDON

Brigadier General, USA

Commanding

PROJECT SUMMARY SHEET FOR

DERP-FUDS CON/HTW PROJECT NO. K06TX023201
SAN MARCOS MUNICIPAL AIRPORT AND GARY JOB CORPS PROPERTIES, TX
AUGUST 1991

PROJECT DESCRIPTION: There are 16 underground storage tanks (USTs), two suspected USTs, underground fuel lines, fuel pumps and manifolds, and five overhead fuel dispensers remaining at the former air base. One additional remaining UST has been beneficially used by the Gary Job Corps personnel, and the Gary Job Corps has previously removed four USTs located at the former base exchange gas station. Excavation near the buried fuel tank, the fuel pumps and the manifolds, and at the southwest side of the former base has revealed soil contamination. The source of the contamination at the southwest fuel pumps is speculated to have resulted from spills or overfilling the system.

PROJECT ELIGIBILITY: The USTs, underground fuel lines, fuel pumps and manifolds, and five overhead fuel dispensers were constructed and used by the Army and Air Force. Five USTs have been beneficially used by the Gary Job Corps and four of these tanks have been excavated and removed by the Job Corps.

POLICY CONSIDERATIONS: The one remaining UST which has been beneficially used by the Gary Job Corps is not proposed for removal under this project.

PROPOSED PROJECT: The following aspects of the CON/HTW project meet eligibility criteria and policy considerations. Sixteen USTs are proposed for removal and remediation of any contaminated soil. A survey will be conducted to determine if two additional suspected USTs do exist, and remove the USTs if they are located. The fuel lines will be flushed of any remaining fuel and the liquids properly disposed. Also, the fuel lines will be excavated and the bottom of the excavations tested to determine if any fuel has leaked from the lines. Any contaminated soil in the fuel line excavations will be removed and the excavations backfilled. The five overhead fuel dispensers will also be removed.

DD FORM 1391: Attached.

FORT WORTH DISTRICT POC: Randy Niebuhr, 817/334-3223.

1. COMPONENT FY 1	9_91military co	MSTRUC	TION PROJECT DAT	ra.	2. DATE
ARMY					AUGUST 1991
3. INSTALLATION AND				TITLE	
AFB, SAN MARCOS MUNIC JOB CORPS	CIPAL AIRPORT A	ND GAR	Y DERP-FUDS		•
5. PROGRAM ELEMENT	6. CATEGORY	CODE	7. PROJECT NO.	8. PROJEC	T COST (\$000)
	CON/HTW	,	K06TX023201	\$500.656	
		9. C	OST ESTIMATES		
	ITEM	U/M	QUANTITY	UMIT/COST	COST (\$000)
Remove UST - 25,000	gal	ea	7	25.706	179.942
Remove UST - 12,000	gal	ea	7	11.171	78.197
Remove UST - 9,000		ea	2	8.986	17.972
Remove suspected UST	- 1,000 gal	ea	2	1.710	3.420
Remove fuel lines		job	1	31.293	31.293
Remove overhead fuel		ea	5	1.159	5.795
Sampling and analysis	8	job	1	44.000	44.000
SUBTOTAL					360.619
Construction Continge			15.00%		54.093
TOTAL CONSTRUCTION CO]		414.712
Supervision & Adminia	stration		8.00%		33.177
•			1		:
	į		1		
•	İ		l I		ł
			į į		1
			1		
			'	. •	1
]		1

10. DESCRIPTION OF PROPOSED CONSTRUCTION

- a. Remove and dispose of 16 underground storage tanks (USTs).
- b. Remove and dispose of two suspected USTs.
- c. Remove and dispose of fuel lines (4" gas line and 6" filler line).
- **d.** Remove five overhead fuel dispensers and associated concrete blocks $(9' \times 14' \times 2')$.
- e. Test and analyze tank contents and soil samples.
- f. E&M survey to detect two suspected USTs.

1. COMPONENT	PY 1991 H	ILITARY C	ONSTRUC	TION PROJECT	DATA	2. DATE AUGUST 199
3. INSTALLATION AFB, SAN MARCOS JOB CORPS	M AND LOCA MUNICIPAL	TION FOR	MER GAI & GARY	DERP-FUD	ECT TITLE	
5. PROGRAM ELE	POENT 6.	CATEGORY	CODE	7. PROJECT	8. PROJE	CT COST (\$000
	CO	N/HTW	ł	K06TX023201	\$500_65	5
			9. C	ST ESTIMATES		
	ITE	•	U/M	QUARTITY	UNIT/COST	COST (\$000
TOTAL CONSTRUCT	ION FUNDS					447.889
						447.869
Engineering and Sampling and An				6.00%		26.873
Sampling and An E&M UST Survey	arys18			5.00%		22.394 3.500
•					j	3.500
TOTAL DESIGN CO	ST	[•		52.767
TOTAL IMPLEMENT	ATION COST					500.656
		1	ļ		• .	
			1			
		1	ľ			
		1			1	1
	•			•	·	
]	1	• •		
					J	
. DESCRIPTION	OF PROPOSI	D COMPTRI	CTION (y		
				•		
	•					
					•	
						j
						{

DD FORM 1391

PROJECT SUMMARY SHEET FOR

DERP-FUDS PRP/HTW PROJECT NO. K06TX023202
SAN MARCOS MUNICIPAL AIRPORT AND GARY JOB CORPS PROPERTIES, TX
SITE NO. K06TX023200
AUGUST 1991

PROJECT DESCRIPTION: The city of San Marcos operated a Type I, trench-type sanitary landfill at the former base from 1969 through 1984. The landfill is located on 84 acres of land, which the General Services Administration (GSA) deeded to the Gary Job Corps in 1965, on the eastern edge of the former base. The City operated the landfill; the Job Corps opened the trenches and covered the full trenches. The Job Corps did the landfill trenching and filling as training exercises for their students. The landfill was closed to the public in June 1983, and totally closed in 1984. The Texas Department of Health (TDH) approved the landfill closure plans on 13 December 1985. The final closure activities included final cover and grading and revegetation.

In October 1989, the Environmental Protection Agency (EPA) sampled all monitoring wells at the site, as well as drinking water wells at private residences to the south of the former All of the wells sampled by the EPA contained low levels of contaminants, but generally appeared to be below the established drinking water standards. See Attachment 3 for results of previous monitoring well sampling and Attachment 5 for results of the 1990 Fort Worth District private drinking well sampling. In April 1990, the City installed four more monitoring wells around the former landfill (see Attachment 4), and encountered some construction debris, benzene, and toluene during the drilling phase of one of the new wells. The well location where the debris and volatile organics were encountered was outside the boundaries of the former landfill. One of the new monitoring wells is reportedly upgradient of the former landfill and the groundwater from that well is contaminated.

The City contends that the Air Force and Gary Job Corps have disposed of materials at or near the former landfill site, and the Job Corps continues to dispose of construction debris in the area. A consultant for the city of San Marcos has obtained aerial photos taken when the base was still an active Air Force installation which show apparent trenches in the area where the landfill was later located. Mr. Dick Moncure, now retired, was the facility manager for the Gary Job Corps and was present at the base when it was active. Mr. Moncure reported that the Air Force practiced what he called burn and cover disposal in the open fields east of the runways. He also provided the Corps of Engineers an undated aerial photo of the active base which shows an active disposal area south and west of the runways.

The EPA has expressed no further interest in the landfill

since their testing episode in 1989. The TDH has expressed continued interest in the landfill and is requiring the city of San Marcos to do more testing and install more monitoring wells. Since the Air Force and Gary Job Corps has apparently disposed of materials in the same area as the closed landfill, the City is concerned that the contaminants found in monitoring wells at the former landfill might be emanating from a source other than the landfill. The City does not feel that they should bear the total financial burden of the continued monitoring well sampling, analysis, and installations if there are other possible sources of contamination, and other contributors.

PROJECT ELIGIBILITY: The former base was constructed by the Army and used by both the Army and Air Force.

POLICY CONSIDERATIONS: There is no policy applicable to this project.

PROPOSED ACTIVITIES: A Remedial Investigation/Feasibility Study should be performed to characterize the nature and extent of contamination at the site, and negotiations with regulatory agencies and other PRPs should be initiated.

FORT WORTH DISTRICT POC: Randy Niebuhr, 817/334-3223.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS (EPA Form 2070-12)

II. HAZARDOUS CONDITIONS AND INCIDENT	II.	HAZARDOUS	CONDITIONS	AKD	INCIDENT
---------------------------------------	-----	-----------	------------	-----	----------

01 (GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED Unknown	02 20 OBSERVED (DATE <u>Apr 90</u>) 04 NARRATIVE DESCRIPTION	POTENTIAL	ALLEGED
Volatile organics have been detec located near the landfill.	ted in the groundwater from	monitoring we	1 <u>1s</u>
03 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	ALLEGED
None noted.			
01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	ALLEGED
None noted.	·		
O1 D. FIRE/EXPLOSIVE CONDITIONS O3 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	-ALLEGED
None noted.			· :
O1 DE. DIRECT CONTACT O3 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	ALLEGED
None noted.			
OXXXF. CONTAMINATION OF SOIL () 03 POPULATION POTENTIALLY AFFECTED Unknown	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	☐ ALLEGED
Due to contamination discovered i			
groundwater. 01 G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED Unknown	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	☐ ALLEGED
See item Ol above.			
O1 H. WORKER EXPOSURE/INJURY O3 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	ALLEGED
None noted.		·	
O1 1. POPULATION EXPOSURE/INJURY O3 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	ALLEGED
None noted			

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS (EPA Form 2070-12)

II.	HAZARDOUS CONDITIONS AND INCIDENTS (continued)			
	01 J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE)	POTENTIAL	ALLEGED
	None noted.		* #	
	01 K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION	O2 OBSERVED (DATE)	POTENTIAL	ALLEGED
	None noted.			
	01 L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE)	POTENTIAL	ALLEGED
	None noted.			
	OI M. UNSTABLE CONTAINMENT OF WASTES O3 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	POTENTIAL	☐ ALLEGED
	None noted.			:
	01 N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE)	POTENTIAL	ALLEGED
	None noted.			
	01 ☐ 0. CONTAM. OF SEWERS, STORM DRAINS, WWTP's 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE)	POTENTIAL	ALLEGED
	None noted.			
	01 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE)	POTENTIAL	ALLEGED
	None noted.	· .		
	OS DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR	ALLEGED HAZARDS		
	None noted.			
	TOTAL POPULATION POTENTIALLY AFFECTED:			
14.	CONTRACTOR		·	

V. SOURCES OF INFORMATION

San Marcos Municipal Airport/Gary Job Corps East of San Marcos, Caldwell County, TX

PRP Negotiations

PRP Negotiations			
 Research/Labor Overhead Adminstration 		\$150,000.00 \$15,000.00 \$30,000.00	i T
		\$195,000.00	\$195,000.00
RI/FS			
 Scope of Work Develop Work Plans Field Investigations Lab Analysis Data Evaluation RI Report FS Report Overhead Administration 	0.1	\$40,000.00 \$120,000.00 \$150,000.00 \$20,000.00 \$15,000.00 \$65,000.00 \$50,000.00 \$46,000.00 \$92,000.00	\$598,000.00
Supervision and Administration	0.08	\$47,840.00	\$47,840.00
TOTAL FOR PRP/HTW RI/FS:			\$840,840.00

ATTACHMENT 1 UNDERGROUND STORAGE TANK SUMMARY

SAN MARCOS MUNICIPAL AIRPORT AND GARY JOB CORPS (FORMERLY GARY AIR FORCE BASE) UNDERGROUND STORAGE TANK SUMMARY

NUMBER OF USTS	VOLUME (GALLONS)	CONTENTS	LOCATIONS	USED
7	25,000 ea	JP-4 (?)	Bldg 10-353 area	No
7	12,000 ea	JP-4 (?)	Bldg 10-353 area & adj to Bldg 4-356	No ·
2	9,000 ea	JP-4 (?)	Bldg 10-353 area	No
2 (Suspected)	1,000 ea	Diesel	Central tower & water pumping sta	No
1	10,000	Gasoline	Bldg 11-152	Yes
23 (Total)	Unknown	Gasoline	Removed	Yes

ATTACHMENT 2

1989 RPA GARY AIRFIELD SAMPLING AND ANALYSES



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI 1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202

April 19, 1989

Mr. Stephen M. Jenkins, P.E. Director, Environment and Engineering City of San Marcos 630 East Hopkins San Marcos, Texas 78666

Dear Mr. Jenkins:

This is in response to your Freedom of Information Act (FOIA) request, dated March 27, 1989, regarding results of analyses of water samples collected from monitoring wells at the Gary Airfield site, otherwise known as the Gary Job Corps site. The samples were collected by an Environmental Protection Agency (EPA) contractor - Ecology and Environment, Inc. We are enclosing a copy of the information that you requested. Pursuant to 40 CFR 2.120, there will be no fee for processing your request. If you have any questions about the enclosed information, please contact me at (214) 655-6740.

Sincerely,

Presley B. Hatcher, Environmental Specialist Superfund Site Assessment Section (6H-MA)

Enclosures

RESERVED.

APT 25 1960

CITY CHARACTER 1041,003 ADMINISTRATION

ECOLOGY AND ENVIRONMENT, INC.

DALLAS, TEXAS

HEMORANDUM

To: Ed Sierra, Region VI RPO

Thru: K. H. Malone, Jr., FITOM

From: Brenda Nixon Cook, FIT Chemista

Date: January 12, 1989

4.

Subj: Sampling Mission Report for Gary Job Corps Center,

San Marcos, TX (TX1161630644)

TDD #F-06-8809-11 PAN #FTX0529HAB

Gary Job Corps, located approximately one mile northeast of San Marcos, Texas on Highway 21, is a vocational school operated by the Department of Labor for disadvantaged youth. The school occupies a portion of a former World War II air base with the remainder of the air base belonging to the City of San Marcos. Previous investigations of this facility indicated two possible sources of contamination originating from the facility: contamination by lead and PCB from prior military activity, and unknown contamination from the City of San Marcos Municipal Landfill, located in the area northeast of the main base facility. To address these allegations, the FIT was tasked to sample monitoring wells at the San Marcos Municipal Landfill and residential drinking water wells within half a mile of the Landfill and Job Corps Facility.

On October 18, 1988, FIT members Brenda Cook, David Anderson, Lloyd Collins and Lyle Winnette conducted a well survey to identify and obtain permission to sample the residential wells nearest to the facility. The following wells were identified: three wells belonging to (b) (6) (closest wells to landfill), one well belonging to (b) (6) one well belonging to (b) (6) and two wells belonging to (b) (6) (one upgradient) (Figure 2).

On October 19, the FIT members accompanied by Mr. Steve Jenkins. Environmental Coordinator for the City of San Marcos, arrived at the Mr. Jenkins stated that the upgradient monitoring well was dry and could not be sampled. After locating the three monitoring wells vehicle. Cook and Anderson initiated FIT members No ambient air characteristics were characterization procedures. recorded above background (background HNU reading 0.4 ppm benzene equivalents). The FIT purged Monitoring Well #2. Monitoring Well #2 was pumped dry and allowed to recharge overnight, prior to sampling. To

Sampling Mission Report for Gary Job Corps Center, San Marcos, TX (TX1161630644) Page Tvo

avoid overpumping, the FIT hand bailed Monitoring Well #3 until pH, conductivity and temperature readings were constant. Monitoring Well #3 was sampled at this point. Temperature, pH, and conductivity readings were recorded for each monitoring well (Table 1.1). Water level indicator and depths of well readings were taken from each monitoring well (Table 1.2). Trip blanks were prepared in the field on October 19th by filling sample bottles with deionized water.

Residential wells of (b) (6) and (b) (6) were sampled on October 19th. The FIT learned that the wells belonging to (b) (6) were dry and no longer used. Due to drought conditions and inactivity, many of the wells were dry. The FIT was unsuccessful in locating additional upgradient wells. Temperature, pH and conductivity readings were recorded for each residential well sampled (Table 1.1).

On October 20, Monitoring Well #2 was sampled. Only two 1-liter amber bottles were sent to a CLP laboratory from the well due to insufficient well recharge volume. Two residential wells belonging to (b) (6) were sampled but the third (b) (6) well to be sampled was dry. Temperature, pH and conductivity readings were recorded for each well sampled. Due to the limited sample volume from Monitoring Well #2, the PH, temperature and conductivity readings taken on October 19th were used for the record.

Residential well samples were sent to the EPA Houston Laboratory to be analyzed for TCL organics, metals, cyanide, alkalinity and hardness. Monitoring well samples were sent to CLP laboratories to be analyzed for TCL organics, metals and cyanide. Chain of Custody forms are attached to this report.

Due to the lack of an appropriate background sample, the least contaminated well was used as the standard to compare the extent of contamination in the other well samples. The residential well used as a background sample belongs to (b) (6)

TCL organic analysis of the monitoring wells indicate the presence of 1,1-dichloroethene, 1,2-dichloroethene (total), vinyl chloride, carbon disulfide, pyrene, and delta-BHC in the groundwater underlying the facility. Inorganic analysis of the monitoring wells indicated the presence of arsenic, barium, beryllium, chromium, cobalt lead, vanadium and zinc above background. Concentrations of contaminants in Monitoring Well #3 were significantly higher than those in Monitoring Well #2.

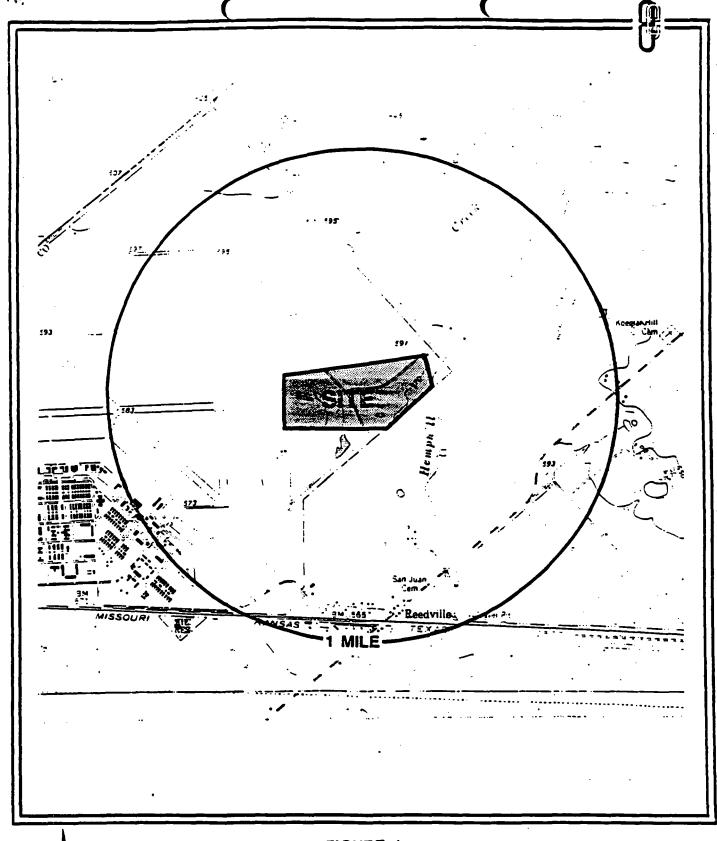
TCL organic analysis of the residential drinking water vells indicated the presence of bromoform, phenol and cis-1,2-dichloroethene in the alluvial aquifer. Cis-1,2-dichloroethene was detected in three of the five sampling locations. Inorganic analysis of the residential drinking water wells indicated the presence of barium, mercury and cyanide slightly above the background level in some of the residential well samples.

Sampling Mission Report for Gary Job Corps Center, San Marcos, TX (TX1161630644) Page Three

A documented release of hazardous material to the alluvial aquifer underlying the San Marcos Municipal Landfill - appears to have occurred. A lateral migration of cis-1,2-dichloroethene in the alluvial aquifer is documented by the presence of this compound in both the monitoring wells and the downgradient residential drinking water wells. The source of the contaminants is believed to be the closed municipal landfill.

As a result of these findings, FIT has been tasked (TDD #F06-8812-25) to resample the residential wells to validate contamination. At this time FIT recommends no further action pending the results of the resampling.

BNC/amw



0 N 2000 ft.

FIGURE 1 SITE LOCATION MAP GARY JOB CORP. SAN MARCOS, TEXAS TX1161630644

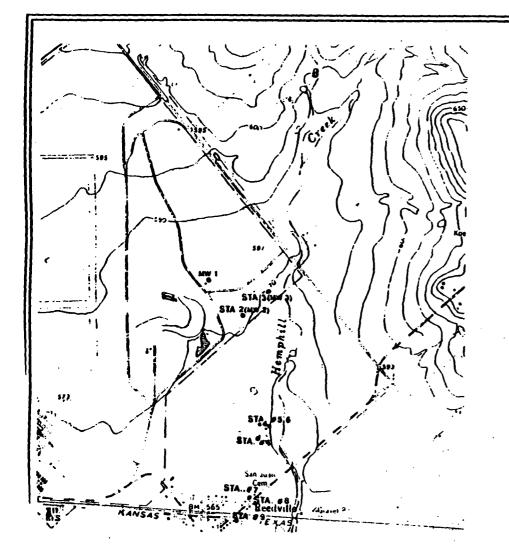


	Table i.i					
	Pu, 1	Temperature an	d Conductivity Data			
Sta. 4	Well Location	PII	Temperature	Conductivity		
2	Southeast HV	6.7	26	380		
3	Southvest MV	6.4	21.5	1750		
7	(b) (6)	6.4	27	840		
8		6.4	26	875		
9	! !	6.6	25	490		
4	(Dvelling)	6.4	22.5	1000		
5-6	(6) (Bacn)	6.3	24	1350		

Temperature in degrees Celcius Conductivity in micro ohms

	Table 1.2					
	Well depth, Water levels and Casing Heasurements					
Sta. #	Vell description	Ďeptji	Vater level	Casing		
2	Southvest MV	30.9"	22.	3'5"		
3	Southeast MV	33'6"	19'8"	2'4"		
NA	Upgradient NV	35/10*	Dry	2'6"		

Barry R. McBee, Chairman
R. B. "Ralph" Marquez, Commissioner
John M. Baker, Commissioner
Dan Pearson, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

June 17, 1997

Mr. Mark E. Simmons
Chief, Environmental Design Branch
Department of the Army
Fort Worth District, Corps of Engineers
P.O. Box 17300
Fort Worth, Texas 76102-0300

Re: Subsurface Hydrocarbon Contamination-at-the Former Gary Air Force-Base, Highway 21 East, San Marcos (Caldwell County), Texas (LPST-ID No. 108133 - Facility ID No. 0022732 - Priority 4.1)

Dear Mr. Simmons:

We have completed our review of the May 1997 Assessment Report Form (ARF) submitted to this Office by your consultant Maxim Technologies. After careful review of all the data provided and pursuant to Title 30, Texas Administrative Code (TAC), Section 334.71 - 334.85, we are in general concurrence with your consultant's recommendation to delineate the dissolved contaminant plume as the next phase of corrective action at this site. However, based on the information provided, it does not appear that a Plan B is warranted at this time. After proper delineation, the, dissolved plume should be monitored for contaminant concentration trends. Upon review of groundwater contamination trends, please evaluate this site according to the current Texas Natural Resource Conservation Commission's (TNRCC) plume delineation and closure criteria to determine if the site warrants a Plan B Risk Assessment or closure.

If applicable, before submittal of the Risk Assessment, please note that it is essential to evaluate this site to determine whether adequate data have been collected. Consideration must be given to the adequacy of plume delineation, the validity of groundwater analytical data, a determination that the appropriate analysis has been conducted for all chemicals of concern at the site, and other critical data requirements have been met for the completion of a Plan B Risk Assessment as set out in TNRCC guidelines.

Complete delineation of contamination is not required in order to establish site-specific target cleanup levels via Plan B Risk Assessment. However, delineation IS required in order to proceed with closure of a site.

The TNRCC acknowledges that corrective action taken in response to the release from this PST system qualifies for eligibility from the Petroleum Storage Tank Reimbursement (PSTR) Fund; however, it is our understanding that reimbursement from the PSTR Fund will not be sought. Should you decide to seek reimbursement for corrective action activities, a proposal should be submitted to this Office which includes a workplan with a detailed description of technical tasks, and cost proposal form(s). The proposal must be formatted in the manner outlined in the enclosed pamphlet entitled *Preapproval for Corrective Action Activities*. Reimbursement regulations require that all corrective actions, with the exception of emergency, initial abatement measures and phase-separated product recovery, be approved in writing by the executive director prior to initiation.

Please note that all correspondence, clearly labeled with both LPST and Facility ID Numbers, should be submitted to both the local TNRCC Regional Office and to the Central Office in Austin. We appreciate your cooperation in this matter. Should you have any questions regarding this letter, please contact Mr. Antonio Pena at 512/239-2200.

Sincerely,

Barbara Roeling

Acting Team Leader, Team II

Responsible Party Remediation Section

Petroleum Storage Tank Division

BOR/ARP/keh 108133.rba

Enclosures

cc: Chris Smith, TNRCC Region 11 Field Office, 512/339-2929 (1921 Cedar Bend, Suite 150, Austin, TX 78758)

U.S. Army Corps of EngineersFort Worth District

Limited Site Assessment Former Gary Air Force Base Caldwell County, Texas

Final Report

Contract No. DACA63-94-D-0009 Delivery Order No. 0032

Thompson Professional Group, Inc. Houston, Texas

February 1997





THOMPSON PROFESSIONAL GROUP, INC.

6110 Clarkson Lane Houston, Texas 77055 (713) 956-4100 (713) 956-4121 Fax Engineering Architecture Environmental Sciences Surveying & Mapping

February 6, 1997

Mr. Randy Niebuhr
Corps of Engineers, Fort Worth District
Attn: CESWF-ED-E (Randy Niebuhr)
P.O. Box 17300
Fort Worth, Texas 76102-0300

Re:

Contract No. DACA63-94-D-0009

Delivery Order No. 0032

Former Gary AFB LSA Final Report

TNRCC LPST # 108133 San Marcos, Texas

Dear Mr. Niebuhr:

This is the final report of the Limited Site Assessment (LSA) performed by Thompson Professional Group, Inc. at the former Gary AFB. This document frequently makes reference to, and is accompanied by, the TNRCC-0562 report on this site. Although this LSA report refers to site assessment and remediation work completed by Perry Williams, Inc. prior to this LSA, the purpose of this document is to report on the tasks and findings of the LSA performed by Thompson Professional Group, Inc. Conversely, the TNRCC-0562 report incorporates information on the activities and results of both the Williams and Thompson projects.

If you have any questions or require additional information on this subject, please do not hesitate to contact Mr. John Laser or me for assistance.

Very truly yours,

L.J. WIETING, JR., CPG, REM, CEA

Environmental, Safety, & Health Specialist

LJW:eb

pc: F867-09.01

LJW file JAL file

TABLE OF CONTENTS

1. REPORT SUMMARY 1	L
2. CHRONOLOGY OF EVENTS1	L
3. TEXT1	L
3.1. Site Characterization	
3.1.1. Description of the Facility	
3.1.2. Site History)
3.1.3. Regional Geology and Hydrogeology4	ŀ
3.1.4. Site-Specific Geology and Hydrogeology5	;
3.1.5. Potential Sensitive Receptors7	,
3.1.6. USGS Map7	,
3.1.7. Well Survey8	,
3.1.8. Vicinity Map8	;
3.1.9. Site Map8	;
3.2. Soil Assessment	,
3.2.1. Drilling and Sampling Plan	;
3.2.2. Soil Sample Analytical Results	
3.2.3. Soil Contamination Map	
3.2.4. Soils Classification 11	
3.2.5. Physical Soil Parameters	,

3.3. Groundwater Assessment
3.3.1. Groundwater Investigation Plan
3.3.2. Groundwater Analytical Data Table
3.3.3. Groundwater Elevation and Phase-Separated Product Thickness Measurements 16
3.3.4. Groundwater Gradient Map
3.3.5. Hydrocarbon Distribution Map
3.4. Surface Water Assessment
3.5. Waste Management and Disposition
3.5.1. Storage, Treatment, or Disposition Methods
3.5.2. Volume and Disposition of Contaminated Soil
3.5.3. Volume and Disposition of Contaminated Groundwater
3.5.4. Volume and Disposition of Phase-Separated Product
. CONCLUSIONS AND RECOMMENDATIONS1
4.1. Summary of Findings
4.1.1. Potential Receptors and Potential Exposure Routes
4.1.2. Magnitude of Soil Contamination
4.1.3. Impact on Groundwater
4.1.4. Impact on Surface Water2
4.2. Conclusions
4.2.1 Potential Recentors and Potential Exposure Routes 2

4.2.2. Magnitude of Soil Contamination	2
4.2.3. Impact on Groundwater	3
4.2.4. Impact on Surface Water	3
4.3. Recommendations	3
4.3.1. Further Investigations	3
4.3.2. Remedial Actions	4
4.3.3. Monitoring	4
5. PHOTOGRAPHIC DOCUMENTATION	1
6. QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES	1
6.1. Sample Collection Procedures	1
6.2. Sample Handling Procedures	3
6.2.1. Soil Sampling	3
6.2.2. Groundwater Sampling	4
6.3. Laboratory Procedures	4

1. REPORT SUMMARY

Thompson Professional Group, Inc. was contracted by the U.S. Army Corps of Engineers, Fort Worth District (USACE-FWD), under Delivery Order No. 0032, Contract No. DACA63-94-D-0009, to conduct a Limited Site Assessment (LSA) in accordance with the requirements of the Texas Natural Resources Conservation Commission (TNRCC) of an underground storage tank (UST) site, TNRCC LPST ID No. 108133, at the Former Gary Air Force Base, Caldwell County, Texas. Prior site investigative and remedial work had been conducted at this site by Perry Williams, Inc. of Amarillo, Texas, during the period of February, 1994, through September, 1994. Information on these previous activities may be located in a report submitted to the USACE-FWD.¹

Personnel from Thompson Professional Group, Inc. conducted LSA field activities at the UST site from May 13 until November 26, 1996. During this time, soil samples from eight soil borings were gathered and submitted for chemical and geotechnical analysis. One of the soil borings was completed as a groundwater monitoring well, and samples were collected from this well and submitted for chemical analysis. Chemical parameters measured for both soil and groundwater samples included: Benzene, Toluene, Ethylbenzene and Total Xylene (BTEX); Total Petroleum Hydrocarbons (TPH); and Polycyclic Aromatic Hydrocarbons (PAH). Groundwater samples were also measured for dissolved oxygen (DO), specific conductance, pH, and turbidity. A groundwater sample was analyzed for total dissolved solids (TDS) to establish the TNRCC classification for potential beneficial use of the groundwater.

Both liquid and solid wastes generated during the course of the site assessment were contained in 55-gallon metal drums at the site and at a nearby wastewater treatment plant until the soil and groundwater samples were analyzed and determined to be non-hazardous. Following the chemical assessment, 26 metal drums containing the wastes were transported from the site and

WC Environmental Group, Petroleum Storage Tank Removal and Site Assessment, Former Gary Air Force Base, Site # 10-350, (Tanks 8-11), Hwy 21 East, San Marcos, (Caldwell County) Texas, March 17, 1995, Pages 1-5.

disposed as non-hazardous special wastes at the Covel Gardens Landfill and Recycling Facility in San Antonio, Texas.

Upon receipt of the results of all chemical and geotechnical analyses conducted on samples gathered at this UST site, staff of Thompson Professional Group, Inc. completed the required LSA Report, TNRCC-0562. Included in the preparation of this report were comparisons of measured levels of certain contaminants that were detected in soil and groundwater samples with the TNRCC Target Cleanup Goals which were calculated for this site. The laboratory analysis of one soil sample (B8-8705), recovered from soil boring number 8 (S8), detected a concentration of benzo (b) fluoranthene, 5.9 mg/kg, at a level greater than the Target Cleanup Goal, 0.877 mg/kg, developed for this constituent at this site. In addition, the analyses of three groundwater samples (G1-1234, MW-1-7471, MW-1-7472) collected from monitoring well number 1 (MW1) detected concentrations of benzene (1.5 mg/l, 1.0 mg/l and 1.1 mg/l, respectively) in excess of the Target Cleanup Goal, 0.0294 mg/l, developed for this constituent at this site. The TNRCC Target Cleanup Goals for this site were based on the findings that the sampled groundwater had a TDS concentration lower than 3,000 ppm and that this groundwater was not being used for any beneficial purpose within a one-half mile radius of the site.

Based on the evaluation contained in the TNRCC LSA Report (see Site Prioritization, Worksheet 12.0), Thompson Professional Group, Inc. recommends that this site be considered for a Plan B site assessment to include delineation of the groundwater contaminant plume.

2. CHRONOLOGY OF EVENTS

- 13 May 96 Thompson Professional Group, Inc., field personnel initiate LSA site investigation.
- 17 May 96 Initial phase of soil and groundwater sampling completed. Soil samples retrieved from eight boring locations and groundwater samples gathered from one monitoring well. All samples submitted for laboratory analysis.
- 30 May 96 Supplemental groundwater samples collected and submitted to the analytical laboratory.
- 21 June 96 Results of all initial-phase and supplemental soil and groundwater samples submitted for analysis received by Thompson Professional Group, Inc.
- 17 July 96 Groundwater samples recovered from monitoring well #1 and submitted for laboratory analysis for Total Dissolved Solids (TDS).
- 31 July 96 Results of TDS groundwater sample analysis received by Thompson Professional Group, Inc.
- 30 August 96 Containerized solid and liquid non-hazardous special wastes transported from the UST site to Covel Gardens Landfill and Recycling Facility.
- 26 November 96 Containerized liquid non-hazardous special wastes (decontamination water) transported from wastewater treatment facility site to Covel Gardens Landfill and Recycling Facility
- 6 January 96 TNRCC Form 0562 completed.
- 23 January 96 LSA Report Submitted to U.S. Army Corps of Engineers.

3. Text

3.1. Site Characterization

The following sections discuss the physical setting and history of this site as it applies to this investigation.

3.1.1. Description of the Facility

The Former Gary AFB is located in Caldwell County, Texas, approximately 5 miles east of the San Marcos downtown business district, Hays County, Texas and south of State Highway 21, with State Highway 21 being the boundary between the two counties. The site is currently a part of the Gary Job Corps Center, U.S. Department of Labor, which is located adjacent to, and south of, the San Marcos Municipal Airport. The site is also situated approximately one mile west-northwest of the small town of Reedville on Farm or Ranch Road 1984, and approximately 4,000 feet west northwest of a mobile home park and elevator storage bins. An area map was prepared that depicts the Gary Job Corps Center and the San Marcos Municipal Airport with the site located with an arrow. This map also illustrates that no water wells were located within a one-half mile radius of the site. This map was derived from a U.S. Geological Survey 7.5 minute quadrangle map entitled San Marcos North, Texas Quadrangle, 1994. The map is titled "USGS Map/Well Locations" and is included in the TNRCC LSA Report as Attachment 3.

The site is partially surrounded by a six-feet chain link fence which comprises an area of approximately 16,837 square feet. The two UST systems were locally situated adjacent to three buildings, being west of Buildings 10-350 and 10-351, and east of Building 9-361; northeast of East Kane Avenue and approximately 1,500 feet southwest of the south runway of the airport. Seven USTs were removed from an area near the southern border of the site, adjacent to East Kane Avenue. An additional four USTs were removed from an area at the center of the site. The southern extent of this area is

located approximately 58 feet north of the northern extent of the area where the seven USTs were removed. A map titled "Comprehensive Site Plan," included as Attachment 1 to the TNRCC LSA Report, indicates the location of the USTs removed during this previous site work.

A set of dispenser pump islands was connected at one time to the two UST systems with underground flowline piping on the north side of East Kane Avenue extending to the west. The dispenser islands were located west of Building 9-361.

3.1.2. Site History

This LSA is preceded by a project that executed the removal of 11 underground storage tanks. The tanks were removed by WC Environmental Group, a division of Perry Williams, Inc. in April, 1994. One area of the site contained seven 25,000-gallon tanks, and the other area of the site contained two 12,000 and two 9,000-gallon capacity tanks. All 11 tanks were used to store JP-4 fuel (jet fuel).²

In February, 1994, samples were obtained of the contents of the tanks. Results of the fluid samples indicated the tanks contained water with minimal concentrations of petroleum hydrocarbons. Fluids were removed and transported off-site for treatment and recycling in April, 1994.

After the fluids were removed, the tanks were removed in April, 1994. The tanks were found to be in very poor condition with split seams in some tanks. Sample results of the soils below the 7 USTs indicated Total Recoverable Petroleum Hydrocarbons (TRPH) concentrations were above the TNRCC actions levels in various locations of the tank repositories. Sample results of the soils below the 4 USTs indicated TRPH and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) concentrations were above the TNRCC actions levels in various locations of the tank repositories.

WC Environmental Group, Page 1.

Three concrete pump islands located to the northwest of the tank repositories were also removed in April, 1994. Sample results collected from the pump island locations indicated TRPH and BTEX below TNRCC action levels.

After review of this documentation, the TNRCC designated the Former Gary AFB a LPST site in May, 1994, because action levels were exceeded. The term action level indicates the concentration of constituents in the native soil or water at which some level of corrective action will be required.³

Areas exhibiting high levels of contaminants were over-excavated in June, 1994, in an attempt to remove the contaminated soil. During the process of soil removal in the area where the seven USTs were located, groundwater was encountered at a depth of approximately 22 feet. The groundwater was observed to infiltrate into the excavated areas at a slow rate. Over-excavation of the soils was then limited to 21 feet below grade. Testing of the soils after the over-excavation still showed levels of TRPH and BTEX above the TNRCC action levels in many areas; however, the groundwater was not analyzed. At this point, the excavations were stopped, the bottom of the excavated areas lined with an impermeable liner, backfilled with clean fill, and returned to original grade.⁴

Due to the substantial amount of product flowline piping routed to the pump dispenser islands, a drilling and sampling program was performed in June, 1994. Soil samples were collected from a depth of approximately eight feet below the ground surface along the piping route. Sample results of the soils were below the method detection limit used in the analysis. The product piping and borings were plugged in place with a cement grout mixture.

Texas Natural Resource Conservation Commission Technical Guidance, <u>Action Levels for LPST Sites</u>, RG-17/PST, October 1993.

WC Environmental Group, Page 1.

As part of the removal of the piping, a pump house pit was excavated and removed in June, 1994. Sample results from the soil analysis indicated TRPH concentrations were above TNRCC action levels. Soils were excavated and removed, an impermeable liner installed, and backfilled to original grade.

Soils were treated on-site in a bio-remediation cell. Soils were manifested and transported to the Comal County landfill for final disposition. The last shipments occurred in September, 1994.

3.1.3. Regional Geology and Hydrogeology

3.1.3.1. Stratigraphy

The Former Gary Air Force Base is located east of the major Balcones Fault Zone in the Black Prairies physiographic province. The region is primarily the result of marine, fluvial, and deltaic depositional environments during the Cretaceous and Cenozoic Eras. These geological time periods were characterized by the advancement and retreating of the sea from the southeast to the northwest and back to the southeast. Deposition of massive amounts of marine strata occurred as the sea advanced over the area of the site. After the sea retreated, deposition of fluvial and deltaic sequences occurred. Sand, sandstones, siltstones, and clays are the predominant sediments present today. Recent deposition consists of erosion and deposition of strata by streams and rivers.

3.1.3.2. Major Structural Features

The majority of the faults associated with the Balcones Fault Zone are 2 miles west of the site. No major structural features were encountered during site activities.

3.1.3.3. Aquifer Characteristics

The two major ground water aquifers in the San Marcos area are the Edwards (Balcones Fault Zone) and the Trinity of Cretaceous age. The Edwards (Balcones Fault Zone) and Trinity aquifers provide public, domestic, irrigation, livestock, and industrial supplies. The Edwards (Balcones Fault Zone) aquifer consists of the Edwards and associated Georgetown and Comanche Peak Formations in the north and the Edwards Group in the south. The Trinity aquifer is composed of the Paluxy, Glen Rose, and Travis Peak (Twin Mountains) Formations. 6

3.1.4. Site-Specific Geology and Hydrogeology

3.1.4.1. Stratigraphy

The LPST site is situated on Quaternary age fluvial stream terrace deposits. The deposits consist of three or more levels of gravel, sand, silt, and clay which correspond to coastal Pleistocene units: gravel, sand, silt, and clay in various proportions with gravel more prominent in the older, higher terraces.⁷

The soil present on the site is the Lewisville silty clay, 0 to 1 percent slopes of the Lewisville Series. The Lewisville Series consists of deep, nearly level to gently sloping soils on old terraces. These types of soils are formed in calcareous clayey alluvium. In a typical profile, the surface layer is a very dark grayish-brown calcareous clay that is about 12 inches thick. Underlying this is a yellowish-brown calcareous silty clay loam approximately 18 inches

Texas Water Commission, Ground-Water Quality of Texas - An Overview of Natural and Man-Affected Conditions, Report 89-01, March 1989, Page 43.

⁶ Ibid, Page 44.

Barnes, V.E., <u>Seguin Sheet, Geologic Atlas of Texas</u>, The University of Texas at Austin, Bureau of Economic Geologey, Scale: 1:250,000, 1974.

thick. Below this is a very pale brown calcareous clay loam that has soft masses and concretions of calcium carbonate.⁸

Lewisville soils are considered to be well drained, permeability is moderate, and available water capacity is considered high. Runoff is slow and the hazard of erosion is slight.⁹

3.1.4.2. Local Groundwater Use

There were no active wells identified within a one-half mile radius of the site. The subject area is depicted on a map titled "USGS Map/Well Locations" in Attachment 4 to the TNRCC LSA Report.

3.1.4.3. Uppermost Water-Bearing Zone Characteristics

Locally, the water-bearing units outcrop to the west of the site. The Edwards (Balcones Fault Zone) and Trinity Group aquifers would be classified as slightly saline in the area of the LPST site. Freshwater from these aquifers is found to the northwest of the site generally trending in a northeast to southwest direction.¹⁰

A perched or more localized ground water zone was encountered during the over-excavation of the seven USTs located in the southern extent of the site at a depth of approximately 22 feet. The infiltration rate was reported to be slow. Saturated soil was encountered in the course of drilling soil boring No. 1 at a depth of approximately 26 feet. This boring was the only one of the

Lowther, A.C., Werchan, L.E., <u>Soil Conservation Service</u>, United States Department of Agriculture, Soil Survey of Caldwell County, Texas, 1978.

⁹ Ibid.

Texas Water Commission, Page 45-46 and 49-50.

WC Environmental Group, Page 1.

eight drilled during the course of the assessment that contacted groundwater (refer to Soil Boring Logs, Attachment 14, TNRCC LSA Report)

Water(s) in saturated zones, such as that apparently encountered at this site, is contained under water table conditions; therefore, the potentiometric surface conforms somewhat to local relief. In order to establish the groundwater gradient for this zone, at least three groundwater elevation points are required. Since only one monitoring well was constructed at this site, a map of the local groundwater gradient reflecting data gathered during the LSA could not be produced. Attachment 7 to the TNRCC LSA Report includes a groundwater gradient map based on the topography contained in the USGS map included as Attachment 3 to the TNRCC LSA Report.

3.1.5. Potential Sensitive Receptors

The vicinity of the site was surveyed to identify potential contaminant receptors, including underground utilities, nearby buildings, surface water bodies and surrounding habitat (refer to Worksheet 4.0, TNRCC LSA Report). Abandoned underground product piping, nearby buildings, a drainage ditch, and Hemphill Creek were identified as potential receptors of contaminated groundwater per the TNRCC LSA Report. In addition, buried gas and water lines are evident in the immediate vicinity of the site (refer to Attachment 1, TNRCC LSA Report, Comprehensive Site Plan). Since the extent of the contaminant plume cannot be delineated on the basis of information gathered from only one monitoring well, the potential impact of contamination on these receptors cannot be addressed as part of this LSA.

3.1.6. **USGS Map**

The UST site and vicinity are identified on a U.S. Geological Survey 7.5 minute quadrangle map entitled San Marcos North, Texas Quadrangle, 1994 (refer to the USGS Map with Water Well Locations, Attachment 3, TNRCC LSA Report).

3.1.7. Well Survey

The Facilities Management office of the Gary Job Corps Center was contacted to determine whether there were any active water wells within a one-half mile radius of the UST site. This office did not have any knowledge of active wells within the designated area.

3.1.8. Vicinity Map

The UST site, buildings and roads in the immediate vicinity of the site, a portion of the San Marcos Municipal Airport, and the area within a 500 feet radius of the UST site are identified on a segment of a map obtained from the Facilities Management office of the Gary Job Corps Center, which is included as Attachment 2 to the TNRCC LSA Report.

3.1.9. Site Map

A site plan map is included as Attachment 1 to the TNRCC LSA Report. This map identifies the locations of the former tank holds, the eight soil borings and one monitoring well associated with this LSA, East Kane Avenue to the south of the site, and buildings adjacent to the site. Also depicted on this map are aboveground and underground utilities and the survey coordinates and elevations of the eight soil boring locations.

3.2. Soil Assessment

3.2.1. Drilling and Sampling Plan

Sample locations for the site were determined by locating one boring as close to each contaminated area as possible, with three additional borings triangulated around the contaminated area with one boring in the upgradient direction. Exact locations of the borings/monitoring wells can be found in the TNRCC LSA Report, Attachment 5.

Soil borings were drilled using an 8-inch diameter continuous-flight, hollow-stem auger. Borings were drilled by a driller licensed by the State of Texas. Drilling fluids were not used during the drilling activities. Borings were drilled to no more than 8 feet below where groundwater was encountered. If ground water was not detected within the soil/rock interval from 0 to 30 feet, drilling was terminated at that depth. This depth could have been extended if contamination or groundwater were encountered at the planned depth. No such modifications were necessary during the course of the LSA.

During drilling, core samples were collected continuously with a 3-inch barrel sampler, advanced while drilling, and field screened with a photo-ionization detector (PID) to determine possible areas of contamination. Special care was exercised to preserve soil samples so that levels of contamination did not change between sampling and analysis. To ensure accurate analysis of the samples, each sample was collected using clean disposable gloves and other clean sampling utensils. Soil samples were promptly collected from the barrel sampler to limit the exposure of the samples to wind and heat which could decrease the accuracy of the laboratory analysis. Core samples were inserted in polyethylene bags after retrieval until the PID was utilized on cores to determine the presence of volatile organic compounds (VOCs).

Continuous samples of the soil borings were collected not only to determine contaminant levels and flow paths, but also to document site soil types and geological conditions. Samples were inspected and logged for differentiating soil and geological features. Detailed geological descriptions were provided for each boring using the Unified Soil Classification System. Characteristics of the soil/geological profile that identify zones of higher or lesser permeability, level of moisture, level of plasticity, changes in lithology, correlations between field screening results and particular lithologic zones, obvious areas of organic content, fractures, or discoloration and odors; depth of water contact; thickness of water bearing unit; and total depth were noted and documented. A detailed geologic log of each boring is provided in

Attachment 14 of the LSA report. This geological characterization was accomplished by an experienced geologist.

Core samples were maintained in bags until all the cores were retrieved, logged, and analyzed with the PID. Bags were marked with permanent markers to note the depths from which that cores were taken, and the readings obtained on the PID. The use of such bags reduces the likelihood of VOC loss during the time when the bagged samples are awaiting PID analysis, usually a minimum of one hour, and before samples collected from the bagged cores are containerized for laboratory analysis. After the levels of contamination were determined for the entire length of the boring and groundwater was encountered during boring, samples were retrieved from the bagged cores as follows:

- One soil sample from the zone of highest contamination.
- One soil sample from immediately above the saturated zone.
- One soil sample from the bottom of the boring.

When groundwater was not encountered, an alternate sampling scheme was employed:

1) one from the zone of greatest contamination based upon field screening results; 2) one sample that is representative of the upper 2 feet of soil from the exposed contaminated soil zone; and 3) one at the total depth of the boring, 30 feet.

A geotechnical soil sample was also collected from two of the borings from the unsaturated zone and a zone not contaminated by the release. This sample was obtained from a continuous undisturbed core. This sample was collected for analysis of soil bulk density, effective porosity, fraction organic carbon, intrinsic permeability, and volumetric water content (refer to Attachment 17 of the TNRCC LSA Report for laboratory results).

Soil drill cuttings from borings and cores not used for bulk sampling were collected and stored in DOT approved 55-gallon drums. The drums remained onsite until laboratory results were obtained, disposal requirements were determined, and disposal was completed.

3.2.2. Soil Sample Analytical Results

Twenty-six soil samples were recovered from 8 soil borings according to the protocol outlined in the preceding subsection 3.2.1. Each soil sample was analyzed for BTEX, TPH and PAH. The laboratory analysis of one soil sample (B8-8705), recovered from soil boring number 8 (S8), detected a concentration of benzo (b) fluoranthene, 5.9 mg/kg, at a level greater than the TNRCC Target Cleanup Goal, 0.877 mg/kg, developed for this constituent at this site (refer to Worksheet 7.0, TNRCC LSA Report). All of the other analytical results for soil samples collected at this site proved to be lower than the Target Cleanup Goals. The results of these analyses are listed in Attachments 15 and 17 of the TNRCC LSA Report.

3.2.3. Soil Contamination Map

The results of the chemical analyses performed on soil samples collected from the 8 soil borings were used to construct the soil contamination map included as Attachment 6 to the TNRCC LSA Report. This map shows the same area as the site plan map and includes the soil boring and monitoring well locations in addition to contaminant concentration contours. Reported concentrations of TPH detected in the soil samples were used to construct the concentration contours in units of parts per million (ppm).

3.2.4. Soils Classification

The soil boring logs, included as Attachment 14 to the TNRCC LSA Report, illustrate the classification of soils encountered while advancing the soil borings. As discussed in Subsection 3.2.1, Drilling and Sampling Plan, the continuous cores from the soil boring process were examined by an experienced geologist to determine the proper

USCS classification for each soil type. Each 5-feet core segment was visually and manually inspected with regard to texture, color, grain size, odor, plasticity and other distinguishing features. The results of this inspection process are entered graphically and narratively on each log versus the depth of the boring, thus, illustrating the changes in soil stratigraphy with depth.

3.2.5. Physical Soil Parameters

A geotechnical soil sample was submitted for laboratory analysis from each of two soil borings, B2 and B6. Each sample was a continuous, undisturbed core from approximately 22-to-24 feet depth of boring. The samples were tested to determine 5 geotechnical parameters (4 physical and 1 chemical): dry bulk density, effective porosity, fraction organic carbon, intrinsic permeability, and water content. Maxim Technologies, Inc., 575 Lone Star Drive, Dallas, Texas, 75222, performed the geotechnical testing. The reports from this laboratory are included in Attachment 17, and the results of the parameter determination are listed on Worksheet 7.0, of the TNRCC LSA Report. These parameters are useful when modeling contaminant transport in the subsurface.

3.3. Groundwater Assessment

3.3.1. Groundwater Investigation Plan

Soil borings were completed as monitoring wells whenever groundwater in sufficient quantities was encountered during the soil boring process. Only-one of the eight soil borings were completed as a monitoring well (MW1). Seven groundwater samples, including one duplicate sample, were gathered at this monitoring well and were submitted to the analytical laboratory. Two samples were not analyzed by the laboratory due to an expiration in the allowable holding time prior to analysis. Five groundwater samples were analyzed for BTEX, TPH, and PAH. One additional groundwater sample was tested to establish the level of TDS.

3.3.1.1. Monitor Well Locations

The monitoring well locations are related to the soil boring locations where groundwater was encountered during the course of drilling. The single soil boring that was completed as a monitoring well (BI/MWI) is noted on Attachment 1 to the TNRCC LSA Report. The planned locations for soil borings and potential monitoring wells were selected with the objective of maximizing the probability of detecting contamination in the subsurface. Therefore, borings were sited close to, and surrounding, the former UST tankholds. The assumed groundwater gradient, as shown on all site maps in the TNRCC LSA Report, was also considered in siting boring locations. By siting boring locations downgradient of the potential contaminant sources, the results of the chemical analyses of groundwater samples could be studied to determine if contaminants were migrating from the previously contaminated areas toward areas of potential receptors. One boring (B5) was located in the assumed upgradient direction from the former tankholds of the 4 tanks in order to provide background information to which measured contaminant concentrations from the other borings could be compared. After it was determined that the vapors were elevated in this boring, a soil sample from boring number 6 was chosen for geotechnical analysis.

3.3.1.2. Monitor Well Installation Procedures

The monitoring well was constructed of 2-inch flush-threaded Schedule 40 Polyvinyl Chloride (PVC) pipe with O-rings, to ensure watertight joints, and a factory-slotted screen 15 feet in length. Screen slots were specified to be no wider than 0.02 inches. The top of the well screen was approximately 7 feet above the ground water elevation and the bottom was fitted with an end cap. A clean sand pack was placed around the well to approximately 2 feet above the screen. A 2-feet layer of bentonite chips was placed on top of the sand

pack, soaked with clean water, and allowed to swell. The bentonite layer was topped with a layer of cement/bentonite grout. The monitoring well was finished out with an above-grade, 4-inch by 4-inch metal cover with a locking cap, and a 4-feet by 4-feet by 4-inch concrete pad.

Well completion details for the single well are included in Attachment 14, TNRCC LSA Report. The State of Texas Well Report forms, TNRCC-0199 (Rev. 11-01-94), are also included in Attachment 14.

3.3.1.3. Depth Groundwater Encountered

Groundwater was encountered in the course of advancing one of the eight soil borings, at B1. Saturated soil was detected at a depth of approximately 26 feet while advancing this boring. The location of this soil boring/monitoring well (B1/MW1) may be referenced on Attachment 1, Site Plan, TNRCC LSA Report. Details of the boring process, including the contact with groundwater, may be found in the soil boring/monitoring well log No.1 log, Attachment 14, TNRCC LSA Report.

3.3.1.4. Static Groundwater Levels

The groundwater level in the completed monitoring well was measured after a sufficient period of time had elapsed following completion, at least 24 hours, to allow the water level to stabilize. The stabilized depth of the water level was measured on 4 occasions averaging 27.76 feet below grade, or 545.30 feet above mean sea level (refer to Groundwater Gauging Data in Attachment 16, TNRCC LSA Report).

3.3.1.5. Groundwater Sampling Procedures

- 1. Before sampling the well, personnel disassembled and decontaminated the sampling equipment.
- 2. Decontaminated sampling equipment was not allowed to come into contact with the ground or other contaminated surfaces prior to being lowered into the well.
- Check valves were inspected to ensure that fouling problems did not reduce the delivery capabilities of the equipment or cause aeration of the samples.
- 4. Bailers and other sampling equipment were not dropped into the well, but lowered slowly to avoid degassing of the water upon impact.
- 5. Three well volumes were purged from the well prior to sampling to ensure water was from formation.
- 6. Ground water samples were pumped and collected as soon as possible after the well was purged and considered stabilized.
- 7. The contents of the sampling device were transferred to sample containers in a controlled manner, minimizing sample agitation and aeration, and avoiding spillage.
- 8. Sample containers were placed in coolers and transported to the analytical laboratory.

3.3.2. Groundwater Analytical Data Table

The analyses of three groundwater samples (G1-1234, MW-1-7471, MW-1-7472) collected from the monitoring well (MW1) detected concentrations of benzene (1.5 mg/l, 1.0 mg/l and 1.1 mg/l, respectively) in excess of the Target Cleanup Goal,

Goals for this site were based on the findings that the sampled groundwater had a TDS concentration lower than 3,000 ppm and that this groundwater was not being used for any beneficial purpose within one-half mile of the site (refer to Worksheet 8.0, TNRCC LSA Report). The results of these analyses are listed in Attachments 15 (summary) and 17 (detail) of the LSA Report. The concentration of TDS measured in sample MW1-7481 taken from MW1 was 530 mg/l.

3.3.3. Groundwater Elevation and Phase-Separated Product Thickness Measurements

No phase-separated product was detected during soil boring or groundwater sampling.

3.3.4. Groundwater Gradient Map

A groundwater gradient map could not be generated from the data resulting from the LSA since only one monitoring well was constructed at this site. A minimum of three wells are required to produce an estimate of the groundwater gradient. A groundwater gradient map has been included as Attachment 7 to the TNRCC LSA Report. The gradient shown on this map was derived from the elevation contours on the USGS Map in Attachment 3 to the TNRCC LSA Report.

3.3.5. Hydrocarbon Distribution Map

Although hydrocarbon contamination was detected in groundwater samples collected at this site, a hydrocarbon distribution map could not be produced since all of the samples came from a single monitoring well.

3.4. Surface Water Assessment

The Blanco River, a major surface water system of this area, is approximately 3 miles west of the site. The Blanco River flows northwest to southeast and intersects another major river, the San Marcos River, approximately 4 miles southwest of the site. A small surface water drainage system, located approximately 700 feet east of the LPST site flows to the south

southeast into the Hemphill Creek system which feeds into the San Marcos River system (see Attachment 3, TNRCC LSA Report). The area encompassing the site is generally flat lying with a 1-foot decline in elevation for every 200 to 300 feet trending down to the southeast. The elevation above sea level is approximately 570 feet at the site.

3.5. Waste Management and Disposition

3.5.1. Storage, Treatment, or Disposition Methods

Soil corings, withdrawn groundwater, and decontamination water were contained in twenty-six (26) 55-gallon, metal drums. These non-hazardous, special wastes were transported by Alamo Petroleum Exchange, 454 Soledad, Suite 100, San Antonio, Texas, 78205, to Covel Gardens Landfill and Recycling Facility, 8611 Covel Road, San Antonio, Texas, 78252. Nineteen drums of solid waste and one drum of liquid waste were transported from the UST site to the disposal facility on August 30, 1996. An additional 6 drums containing decontamination water were transported from the site of the wastewater treatment plant to the disposal facility on November 26, 1996. The site of the wastewater treatment plant, located approximately 0.4 mile south of the UST site (see Attachment 3, TNRCC LSA Report), was used during the site assessment to decontaminate the drilling equipment. Copies of the two waste manifests may be found in Attachment 18 to the TNRCC LSA Report.

3.5.2. Volume and Disposition of Contaminated Soil

Nineteen (19) 55-gallon drums of non-hazardous, special solid wastes were disposed at the above-mentioned facility.

3.5.3. Volume and Disposition of Contaminated Groundwater

One (1) 55-gallon drum containing groundwater and decontamination water and six (6) drums of decontamination water, all classified as non-hazardous, special liquid waste, were disposed at the above-mentioned facility.

3.5.4. Volume and Disposition of Phase-Separated Product

Phase-separated product was not detected in any of the monitoring wells.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1. Summary of Findings

4.1.1. Potential Receptors and Potential Exposure Routes

Potential receptors and exposure routes are identified on Worksheets 3.0, Water Well Inventory, and 4.0, Receptor Survey, of the TNRCC LSA Report. There were no water wells identified within a 0.5 mile radius of the UST site. Abandoned underground product piping, nearby buildings, a drainage ditch, and Hemphill Creek were identified as potential receptors in the TNRCC Report. In addition, buried gas and water lines are evident in the immediate vicinity of the site (refer to Attachment 1, TNRCC LSA Report, Comprehensive Site Plan).

4.1.2. Magnitude of Soil Contamination

The laboratory analyses of soil samples collected during the LSA indicated significant contamination in only one sample. Significant contamination is defined here as the concentration of a particular constituent that exceeds the TNRCC Target Cleanup Goal developed for that compound for the subject UST site (refer to Worksheet 7.0, TNRCC LSA Report). The measured concentration of benzo (b) fluoranthene, 5.9 mg/kg, in soil sample B8-8705, collected from the composited core from the 0-to-5 feet depth of boring at soil boring B8.

4.1.3. Impact on Groundwater

Three groundwater samples collected from monitoring well No.1, MW1, and submitted for laboratory analyses tested positive for concentrations of benzene greater than the TNRCC Target Cleanup Goal developed for that compound for this site. The highest concentration of benzene measured in these samples was detected in sample G1-1234. The concentration of benzene, 1.5 mg/l, in G1-1234 is over 50 times the Target Cleanup Goal of 0.0294 mg/l (refer to Worksheet 8.0, TNRCC LSA Report). As

indicated on the Site Plan, Attachment 5, TNRCC LSA Report, MW1 is located at the southwestern extent of the southern tankhold. The extent of groundwater contamination could not be determined during the course of this LSA since groundwater was contacted in only one of the soil borings.

4.1.4. Impact on Surface Water

There are no surface water bodies within 500 feet of this UST site (refer to Worksheet 10.0, TNRCC LSA Report). The potential impact of contaminated groundwater on surface water bodies located beyond 500 feet from the site is beyond the scope of this LSA.

4.2. Conclusions

4.2.1. Potential Receptors and Potential Exposure Routes

Potential receptors, including underground utilities, buildings, and surface water were identified but were not evaluated further. Given that groundwater was encountered in only one boring location, any delineation of the extent and fate of the groundwater contaminant plume, and the resulting potential impact on receptors, was beyond the scope of this LSA.

4.2.2. Magnitude of Soil Contamination

One soil sample recovered from the 0-to-5 feet depth at boring B8 showed evidence of contamination. As indicated on Attachment 5 to the TNRCC LSA Report, Site Plan, the location of B8 is at the center of the southern extent of the northern tankhold. WC Environmental Group reported contaminated soils at this repository both before and after over-excavation of soil. The contamination reflected by the analysis of B8-8705 is likely to be residual contamination from the earlier remedial efforts.

WC Environmental Group, Pages 6-7.

4.2.3. Impact on Groundwater

The groundwater sampled from MW1 was determined to be contaminated with benzene. Since this body of groundwater was encountered in only one of the eight soil borings drilled during the course of this LSA, it may be theorized that this zone extends only beneath the southwestern extent of the UST site. Considering the location of MW1 relative to the southern tankhold, it is reasonable to assume that the source of the contamination present in the groundwater is contaminated soil in the vicinity of the tankhold.

4.2.4. Impact on Surface Water

There were no surface water bodies identified within 500 feet of this UST site. A drainage ditch located 700 feet from the site and Hemphill Creek located one mile east of the site were identified, but not assessed in terms of contaminant impact, during the course of this LSA. Since the extent and fate of the contaminated groundwater could not be determined during the course of the LSA, no conclusions may be offered on existing or potential contaminant impacts relative to these two receptors.

4.3. Recommendations

4.3.1. Further Investigations

Further site investigation is recommended in order to determine the current extent and magnitude, and the potential fate and transport, of the contaminated groundwater encountered at this site. Future investigative activities may include additional soil borings and/or groundwater probes located to the west and south of MW1. Since saturated soil was detected at a depth of 26.5 feet at B1, the depths of future borings or probes should be a minimum of 30 feet, preferably greater. Once sufficient data has been generated to delineate the contaminated zone, the impact(s) on the potential receptors identified in this LSA, and on any additional receptors that may be identified in the future, should be addressed.

4.3.2. Remedial Actions

No remedial actions are recommended until a better understanding of the groundwater contaminant plume and any resulting potential impacts on receptors is developed.

4.3.3. Monitoring

Monitoring of the contaminant concentrations in the groundwater encountered in MW1, without the installation and concurrent monitoring of additional wells or probes, will not provide any information of value in delineating the extent and fate of the contaminant plume. Therefore, monitoring of MW1 is not recommended unless it is conducted in concert with further, expanded investigative activities.

5. PHOTOGRAPHIC DOCUMENTATION

Attachment 19 of the TNRCC LSA Report includes photographs of various site activities such as soil boring, core logging, borehole plugging, monitoring well installation and purging, and groundwater sampling.

6. QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

6.1. Sample Collection Procedures

To ensure high quality results and consistency in field and laboratory activities, care was exercised in following all relevant guidelines for sample collection, preservation, and analysis. One quality assurance (QA) and one Quality Control (QC) sample were taken for every 10 field samples to provide a means of validating test results. One Equipment Blank (EB) sample was taken for every 20 field samples to verify the effectiveness of decontamination procedures. At least one QA, QC, and EB was taken at each boring site. The QA and QC samples were taken at the same point as the field sample in order to obtain a representative sample for qualifying laboratory results.

Samples collected for laboratory analysis were placed in sterilized sample containers provided by the laboratory. Container size and type were dictated by the type of analysis to be performed. Sample containers were filled completely to eliminate any air space, threads were wiped clean, and the container was sealed using a Teflon-lined cap. Sample containers were filled with minimal amount of air contact to prevent loss of volatile contaminants, and to prevent changes in chemistry.

A detailed description of the sample containers, preservation procedures, and holding times is given in the Department of the Army regulation, ER 1110-1-263, entitled Sample Handling Protocol for Low, Medium and High Concentration Samples of Hazardous Waste. This document was utilized during all sampling activities and was included as Appendix 2 of the Workplan for this LSA.

Standards and reagents were prepared as directed by the EPA. All equipment which came into contact with the sample during sampling and testing were decontaminated to eliminate the possibility of cross-contamination. All downhole drilling equipment was decontaminated between each boring, and all sampling equipment was decontaminated between each sample. The sampler, bailer, water level instrument, and liquid measuring devices etc., were

decontaminated by double rinsing with tap water, brushing and scrubbing with laboratory-grade soap, followed by two to three rinses with deionized water. A new, clean pair of disposable gloves was used for the handling of each sample.

All field and laboratory instrumentation were calibrated as directed by manufacturers' instructions to guarantee consistent results.

Sample bottles were filled as follows:

- 1. Bottle caps were removed carefully so that the inside of the cap was not touched. Caps were not put on the ground. Caps for Volatile Organic Analyte (VOA) sample bottles contained a Teflon® lined septum. The Teflon® side of the septum was facing the sample to prevent contamination of the sample through the septum.
- 2. The sample bottles were filled with a minimal amount of air contact, and without allowing the sampling equipment or personnel to touch the inside of the bottles or bottle caps. Tools or sampling utensils did not contact the inside of the sample bottles.
- 3. Field technicians wore appropriate personal protective equipment such as Latex disposable gloves, safety glasses or goggles, steel-toed and shank boots, and hard hats.
- 4. Ice chests included cold ice packs in them prior to taking into the field to aid in the cooling process for samples.
- 5. All sample bottles were placed in an ice chest immediately after filling and preserving. Samples were shipped to the analytical laboratory on a timely basis in order to comply with the holding and extraction times mandated by the analytical methods being utilized by the laboratory.

6. Sample bottles, caps, or septums that fell on the ground before filling were discarded.

Samples were collected and containerized in the order of the volatilization sensitivity of the parameters being collected. The order of collection was as follows: Benzene, Toluene, Ethylbenzene, and Xylene (BTEX); Total Petroleum Hydrocarbons (TPH); Polycyclic Aromatic Hydrocarbons (PAH); and QA/QC. Ground water samples required varying sampling amounts, preservation methods, and holding times before analysis was performed. Samples analyzed for volatile organic compounds required 2 - 40 ml glass vials or bottles with Teflon®-lined septa. The preservation of these samples required the addition of hydrochloric acid (HCl) to the ground water to make the pH less than 2 (<2). Samples were cooled to 4°C after sampling and maintained at that temperature until analysis. Maximum sample holding time by the analytical laboratory was 14 days. Groundwater to be analyzed for metals was sampled in 1-liter or glass bottles. These samples were acidified with nitric acid (HNO₃) to a pH < 2, and maintained at 4°C after sampling. Maximum holding time for metals is 6 months except for mercury which is 28 days.

6.2. Sample Handling Procedures

6.2.1. Soil Sampling

Each sample container was labeled and placed on ice in a covered insulated cooler and chilled to 40°F (4°C). Samples were kept on ice at all times and shipped on a timely basis to the SPL, Inc., Houston analytical laboratory, c/o Ms. Siok Hong Chen, 8880 Interchange Dr., Houston, Texas 77054, telephone number: (713) 660-0901; and to the QA Laboratory, the USACE Southwestern Division Laboratory, c/o Mr. Randy Smith, 4815 Cass Street, Dallas, Texas 75235, telephone number (214) 905-9130. Chain of custody forms were properly completed for all shipments. Copies of these forms are included in Attachment 17 of the TNRCC LSA Report.

6.2.2. Groundwater Sampling

The sample handling procedures for groundwater samples were the same as those noted for soil samples noted in subsection 6.2.1, which precedes this subsection.

6.3. Laboratory Procedures

Sample analyses were conducted in accordance with the standard methods from *Test Methods* for Evaluating Solid Waste Physical/Chemical Methods, 3rd EPA Publication No. SW-846, 1986, as revised December 1987 and November 1990, and Methods for Chemical Analysis of Water and Wastes, EPA - 600/4-79-020, revised 1983.

Soil samples being analyzed for Benzene, Toluene, Ethylbenzene, and Total Xylene (BTEX) were prepared using EPA Method 5030 and quantified using EPA Method 8020. Soil samples being analyzed for Total Petroleum Hydrocarbons (TPH) were quantified using EPA Method 418.1 (IR). These samples were prepared using EPA Method 3540 (Soxhlet extraction) with fluorocarbon 113 as the extraction solvent. Soil samples being analyzed for polycyclic aromatic hydrocarbons (PAH) were prepared using EPA Method 3550 and quantified using EPA Method 8310.

Other laboratory methods were utilized to establish the geotechnical properties of the soils. EPA Method 415.1 was used to determine the fraction organic carbon content of the soil. Soil bulk density, effective porosity, volumetric water content, and intrinsic permeability were tested using ASTM D 5084-90.

All ground water samples were analyzed for the presence of the following compounds with the methods indicated:

- Benzene, Toluene, Ethylbenzene, and Total Xylene (BTEX) using EPA Method 8020.
- Total Petroleum Hydrocarbons (TPH) using EPA Method 418.1 (IR), where the samples were prepared using EPA Method 3540 (Soxhlet extraction) with fluorocarbon 113 as the extraction solvent.
- Polycyclic Aromatic Hydrocarbons (PAH) using EPA Method 8310.
- Total Dissolved Solids (TDS) using EPA Method 160.1.

For any of the analytical methods used, the Practical Quantitation Limit (PQL) used in subsequent statistical analysis is the lowest concentration level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions that are available to the facility. Procedures are in place for demonstrating proficiency with each analytical procedure used in the laboratory. These include procedures for demonstrating the precision and bias of the method as performed by the laboratory and procedures for determining the Method Detection Limit (MDL). Documented precision, bias, and MDL information was maintained for all methods performed in the laboratory. Laboratory control samples were analyzed with each sampling event to verify that the precision and bias of the analytical process was within control limits. A method blank was analyzed with each sampling event to assess contamination levels in the laboratory. Guidelines are in place for accepting or rejecting data based on the level of contamination in the blank. Procedures are in place for documenting the effect of the matrix on method performance. When appropriate for the method, there was at least one matrix spike and either one matrix duplicate or one matrix spike duplicate per analytical batch. Any activity not performed in accordance with laboratory procedures was considered a deviation from the plan. Errors, deficiencies, deviations, or laboratory events or data that fall outside of established acceptance criteria were investigated. The investigation of the problem, and any subsequent corrective action taken, was documented.

Analytical data from the contract laboratory was reported to Thompson Professional Group, Inc. The reported data included all raw analytical results and QC data summaries (blank results, spiked sample and spiked duplicate results, and surrogate recoveries). In addition, the report from the laboratory included any problems identified and corrective actions taken and verbal/written instruction from USACE personnel for reanalysis. Attachment 17 of the TNRCC LSA Report contains copies of reports received from both the analytical and geotechnical laboratories.

7. APPENDICES

List of Tables

Table No.

Title

4-1 Chemical Analytical Results for Soil Samples

The results are summarized in Attachment 15 to the TNRCC LSA Report in tables titled "Soil & Groundwater Sampling Analytical Results."

4-2 Soil Parameter Results

The results are summarized in Worksheet 7.0 of the TNRCC LSA Report in the section title "Geotechnical soil parameters."

4-3 Chemical Analytical Results for Groundwater Samples

The results are summarized in Attachment 15 to the TNRCC LSA Report in tables titled "Soil & Groundwater Sampling Analytical Results."

4-5 Groundwater Elevation and Free-Phase Product Measurements

The measured groundwater elevations for the four monitoring wells are listed in Attachment 16 to the TNRCC LSA Report in a table titled "Groundwater Gauging Data."

List of Figures

Figure No.

Title

4-1 General Location Map

(refer to Attachment 3 to the TNRCC LSA Report, "USGS Map with Water Well Locations")

4-2 Site Location Map

(refer to Attachment 2 to the TNRCC LSA Report, "Vicinity Map")

4-3 Site Map and Sample Locations

(refer to Attachment 1 to the TNRCC LSA Report, "Comprehensive Site Plan")

4-4 As-Builts for Tank System

(not applicable)

4-5 Underground Storage Tank and Piping Details

(not applicable)

4-6 Water Well Location Map

(refer to Attachment 3 to the TNRCC LSA Report, "USGS Map with Water Well Locations")

4-7 Vicinity Map

(refer to Attachment 2 to the TNRCC LSA Report, "Vicinity Map")

4-8 Sample Location Tank Hold Map

(refer to Attachment 1 to the TNRCC LSA Report, "Comprehensive Site Plan")

4-9 Flow Line Stockpile Site Map

(not applicable)

4-10 Sample Location Flow Line Site Map

(refer to Attachment 1 to the TNRCC LSA Report, "Comprehensive Site Plan")

4-11 Groundwater Gradient Map

(refer to Attachment 7 to the TNRCC LSA Report, "Groundwater Gradient Map")

4-14 BTEX Distribution Map

(not applicable)

4-15 TRPH Distribution Map

(refer to Attachment 6 to the TNRCC LSA Report, "TPH Contaminant Concentration Map")

5-1 Proposed Well Locations

(refer to Attachment 5 to the TNRCC LSA Report, "Site Plan")

C-1 Survey Data for Monitor Well Locations

(refer to Attachment 5 to the TNRCC LSA Report, "Site Plan")

List of Appendices

Appendix A Soil Assessment

Boring Logs

(refer to Attachment 14 to the TNRCC LSA Report)

Signed Laboratory Reports

(refer to Attachment 17 to the TNRCC LSA Report)

QA/QC Report

(refer to Attachment 17 to the TNRCC LSA Report)

Chains of Custody

(refer to Attachment 17 to the TNRCC LSA Report)

Physical Parameter Analytical Results

(refer to Attachment 17 to the TNRCC LSA Report)

Appendix B Groundwater Assessment

Well Reports

(refer to Attachment 16 to the TNRCC LSA Report)

Well Construction Details

(refer to Attachment 14 to the TNRCC LSA Report)

Signed Laboratory Reports

(refer to Attachment 17 to the TNRCC LSA Report)

QA/QC Report

(refer to Attachment 17 to the TNRCC LSA Report)

Chains of Custody

(refer to Attachment 17 to the TNRCC LSA Report)

Appendix C Surface Water Assessment

(refer to Attachment-13 to the TNRCC LSA Report)

Appendix D Waste Management and Disposition

(refer to Attachment 18 to the TNRCC LSA Report)

February 6, 1998

Environmental Design Branch Environmental Division

Mr. Antonio Peña Texas Natural Resource Conservation Commission Petroleum Storage Tank Division Responsible Party Remediation Section, MC137 P.O. Box 13087 Austin, Texas 78711-3087

Dear Mr. Peña:

Enclosed, for your review and approval, are revised and new pages resulting from the second phase drilling for the risk-based assessment at former Gary Air Force Base (AFB), Leaking Petroleum Storage Tank (LPST) Number 108133.

During the second phase drilling in September 1997, 0.5-foot of non-aqueous phase liquid (NAPL) was found in monitoring well number 1 (MW-1). The NAPL was not present in MW-1 at the time of installation in 1996. Monitoring well number 2 (MW-2), installed in September 1997, only had a petroleum sheen. Recovery of NAPL was conducted at MW-1 on November 12 and December 1, 1997, which reduced the NAPL thickness to less than 0.1-foot.

Presence of ground water at this LPST site is very limited. Of 15 soil borings drilled, only 2 produced water. It is recommended that four quarters of ground-water monitoring be conducted for the two monitoring wells to ensure NAPL levels remain below 0.1-foot.

Comments concerning the assessment report and this recommendation should be directed to Mr. Randy Niebuhr of our Environmental Design Branch at the following address and telephone number:

U.S. Army Engineer District, Fort Worth Corps of Engineers
ATTN: CESWF-EV-DI (Randy Niebuhr)
P.O. Box 17300
Fort Worth, Texas 76102-0300

Telephone: 817/978-3223, Extension 1642

FAX: 817/978-2991

Sincerely,

Mark E. Simmons, P.E. Chief, Environmental Design Branch

Enclosures

CESWF-EV-DI PERRIN

Copy Furnished With Enclosures:

Texas Natural Resource Conservation Commission, Region 11 Petroleum Storage Tank Division 1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336

CF (wo/encls):
CESWF-PM-J (Scotto)

DETAILED STATEMENT OF WORK

Attached to and made a part of Contract No. DACA63-94-D-0009 Task Order No. 0032 MODIFICATION NO. 0001

> Risk-Based Assessment (Phase 2) Former Gary Air Force Base (San Marcos, Texas)

- 1. Project Overview. The Contractor shall furnish all services, materials, supplies, plant, labor, equipment, investigations, studies, superintendence, and travel, as required, for completing the second phase of a Risk-Based Assessment (RBA) at the location listed above. A RBA has been completed at this site, but it failed to delineate the limits of a petroleum hydrocarbon plume. This supplemental RBA investigation and report shall be prepared and conducted in accordance with the requirements of the TNRCC as stated in "Guidance for Risk-Based Assessments at Leaking Petroleum Storage Tank (LPST) Sites in Texas" Document (RG-175), "Limited Site Assessment Guidance" Document (PST RG-51/formerly PST92-06), and the requirements specified in this Task Order. The Contractor shall, without additional expense to the Government, obtain any necessary licenses or permits, and shall comply with all Federal, State of Texas, or local laws, regulations, rules, and codes applicable to performance of the tasks in this Task Order.
- 2. <u>Regulatory Authority</u>. The regulatory authority for the Gary site is the TNRCC. This site is regulated by the TNRCC as a LPST site. The applicable petroleum storage tank (PST) and LPST identification numbers are provided in Appendix A.
- 3. <u>Background Information</u>. Land for the former base was acquired by the Government in 1943. The Army established a navigation school at the base. Later, the base was converted to an advanced aviation school with flying field and related facilities. The base was declared excess in 1964 and the land was transferred to the city of San Marcos and Department of Labor. The Fort Worth District, Corps of Engineers, removed 11 underground storage tanks (USTs) at the former base in 1994. The 11 USTs consisted of 7 25,000 gallon tanks, 2 12,000 gallon tanks, and 2 9,000 gallon tanks. Some of the USTs that were removed had leaked and a RBA contract was awarded by the Fort Worth District in September 1995. The suspected hydrocarbon contaminant at this site is JP-4. The completed RBA was submitted to the TNRCC in April 1997. The TNRCC reviewed the report and determined that the RBA had not defined the hydrocarbon plume. Eight borings were drilled during the RBA and only one produced water. Ground water was at the 28 feet below the ground surface at the lone RBA monitoring well.
- 4.0 <u>Project Requirements</u>. The objective of this effort is to define the hydrocarbon plume at the former Gary Air Force Base. The Contractor shall submit a corrected Assessment Report Form (TNRCC-0562) for this site to the Government. The RBA supplemental work is intended to collect specific information to determine the extent of the hydrocarbon plume. The RBA supplemental work shall address all of the requirements contained in "Guidance for Risk-Based Assessments at LPST Sites in Texas" document RG-175, the new 1997 Risk-Based Assessment guidance, and Title 30 Texas Administrative Code (TAC) 334.78.
- **4.1** Work Plan. A work plan was developed for the original assessment. The plan consisted of a sampling and analysis plan, drilling plan, and health and safety plan. The Contractor shall follow the developed work plan and items in this Task Order during the current phase of field work.
- 4.2 Field Investigations. The Contractor shall drill up to seven (7) soil

borings at this LPST site for the purpose of defining the limits of the hydrocarbon plume. The soil borings shall be drilled with a Geoprobe drilling rig, or equivalent drilling apparatus. Following the drilling of the borings, and if ground water is available, the Contractor shall drill ground water monitoring wells at the site (not to exceed 3) so that water samples and conditions can be collected and observed. Prior to well drilling, the Contractor shall discuss proposed well locations with the Corps of Engineers (COE) Technical Manager. The drilling of the soil borings shall include drilling, soil sampling and analysis, and field screening of samples with a photoionization detector (PID) or similar instrument; and where applicable, monitoring well installation, well development, and well completion.

4.1.1 <u>Soil Borings/Geologic Descriptions</u>. The Contractor shall submit a drawing showing proposed boring locations to the COE Engineering Manager for approval prior to the beginning of drilling activities. The Contractor shall be responsible for obtaining all utility clearances and digging permits.

The Contractor shall utilize a driller licensed by the State of Texas to drill all borings. The Contractor shall utilize a Geoprobe drilling rig, or equivalent drilling apparatus to drill the seven (7) soil borings. The Contractor shall perform continuous monitoring of subsurface soil with a PID, or similar device, for determining the vertical extent of hydrocarbon contamination. The Contractor shall advance borings to a depth not to exceed 3 feet below where groundwater is encountered. If ground water is not encountered within 35 feet, stop drilling at a depth of 35 feet. For each soil boring where ground water is encountered, the Contractor shall take a grab sample of the water and utilize immunoassay test systems to determine presence of hydrocarbons. The Contractor shall test the water grab samples for total recoverable hydrocarbons (TRPH) and benzene, toluene, ethylbenzene, and xylene (BTEX).

At a minimum the Contractor shall do the following to complete a ground water monitoring well: Advance borings using a minimum 8-inch diameter continuous flight hollow stem auger. Add no water to the borings. Perform continuous soil sampling using a 3-inch diameter split barrel sampler. Perform continuous monitoring of subsurface conditions with a PID, or similar device, for determining the vertical extent of hydrocarbon contamination. Advance borings to a depth not to exceed 8 feet below where ground water is encountered. If ground water is not encountered within 35 feet, stop drilling at a depth of 35 feet. Based on this, the maximum boring depth shall not exceed 42 feet. If the hydrocarbon contamination exceeds the maximum soil boring depth of 35 feet, the Contractor shall contact the COE Technical Manager to discuss whether or not the well should be extend to a greater depth.

The Contractor shall furnish a qualified geologist or geotechnical engineer to oversee sample collection, sample preservation, and to prepare a detailed geologic log and well construction detail for each soil boring and monitoring well installed. The Contractor shall provide detailed geologic descriptions for each boring and well using the Unified Soil Classification System, and develop a continuous soil profile based on interpolation between discrete soil samples and soil cuttings. Of particular interest are zones of higher and lesser permeability, changes in lithology, correlations between field screening results and particular lithologic zones, depth to groundwater, and obvious areas of contaminant odors or discoloration. Note these, as appropriate, on the boring log.

4.1.2 Soil Sampling.

4.1.2.1 Chemical Soil Samples. The Contractor shall take two (2) soil samples for chemical analysis from each boring and monitoring well: one from the zone of greatest contamination based on field screening results and one at the total depth of the boring. In every soil boring where ground water is encountered, the Contractor shall take three (3) soil samples for chemical

analysis: one from the zone of greatest contamination based on field screening results; one immediately above the saturated zone; and one at the total depth of the boring. Sample for the parameters listed in the Appendix A for this site. The Contractor shall analyze for PAH in one soil sample in the monitoring well boring nearest to the former tank farm. Sample collection and preservation methods shall be in accordance with ER 1110-1-263 and EPA SW-846. Fill each jar completely, disturbing the soil as little as possible. Complete the information required on each jar label at the time of sampling using an indelible ink pen. Keep samples on ice at all times and ship within 24 hours of being taken to the testing laboratory.

4.1.3 Groundwater Sampling.

- 4.1.3.1 Monitoring Well Installation. Each ground water monitoring well shall consist of a 2-inch diameter, flush mounted, well following the well construction diagrams provided in the Work Plan, this Task Order, and TNRCC guidance. The Contractor shall furnish all materials for monitoring well construction. The top of the well screen shall be set at least 2 feet above groundwater. Record all well construction data, such as screen length, total length of sand filter pack, thickness of cement-bentonite seal, etc., on the well construction as-built. Each well shall be flush to the ground with concrete mounded around it to prevent surface water from ponding on the well. The Contractor shall fill out and sign a State of Texas Well Report (Form ID. No. WWD-012) for each installed well.
- 4.1.3.2 <u>Well Development</u>. The Contractor shall wait at least 24-hours after the cement-bentonite seal has been installed to begin development of the wells. Develop the well by pumping or hand bailing. Temperature, pH, and specific conductance shall be measured and recorded during development to help determine when a sufficient amount of water has been removed. Odor and turbidity will also be recorded. The measurements and observations shall be recorded and included in the RBA report. A minimum of three well volumes (calculated as the water standing in the casing and screen, plus the volume of water contained in the filter pack) shall be removed during development. Development will be deemed complete when the temperature, conductivity, pH, and turbidity have stabilized between at least two successive measurements, as follows:

4.1.3.3 Ground water Samples. The Contractor shall take samples for chemical analysis from each monitoring well installed for this Task Order and from the previous RBA. A total of five (5) monitoring well ground water sampling events shall be conducted at this site. The first sampling event shall occur immediately after the last monitoring well is installed for this Task Order. The second and third sampling events shall occur at two month intervals following the completion of event number one. The fourth and fifth sampling events shall occur at three month intervals following the completion of event number three. Each well shall be purged of 3 to 5 volumes, as defined above, prior to sampling. Sample collection and preservation methods shall be in accordance with ER 1110-1-263. Sample for the parameters referenced in the Work Plan. Record and report the pH, temperature, conductivity, and dissolved oxygen content of each sample. Record, and report, the presence of any Dense, non-aqueous phase liquids (DNAPLs) or light, non-aqueous phase liquids (LNAPLs), and measure the thicknesses of the DNAPLs and LNAPLs to the nearest 0.01 foot. Complete the information required on each jar label at the time of sampling using an indelible ink pen. Keep samples on ice at all times and ship within 24 hours of being taken to the testing laboratory. The Contractor shall also analyze for PAH in the ground water samples in the monitoring well nearest to the former tank farm.

- **4.1.3.4** <u>Ground Water Grab Samples</u>. As mentioned in paragraph 4.1.1, the Contractor shall take a grab sample of the water and utilize immunoassay test systems to determine presence of hydrocarbons for each soil boring where ground water is encountered. The Contractor shall test the water grab samples for total recoverable hydrocarbons (TRPH) and benzene, toluene, ethylbenzene, and xylene (BTEX).
- **4.1.3.5** <u>Surveys</u>. The Contractor shall survey all monitoring wells, x, y, and z coordinates, after installation to establish the State Plane coordinates and the elevation of the top of the riser pipe and ground surface. The x and y coordinates shall be measured to the nearest 0.1 foot, while the elevation shall be measured to the nearest 0.01 foot. The Contractor shall provide hard copies of the survey in the reports and provide the Government with one copy on a 3-1/2" floppy diskette in Intergraph (.DGN files) format.
- 4.1.4 Quality Assurance/Quality Control Samples. The Contractor shall take one quality assurance (QA) and one quality control (QC) sample for every 10 field samples (soil or water) or fraction thereof. Sample collection and preservation methods shall be in accordance with ER 1110-1-263. At least one QC and QA sample shall be taken for the project for each medium. SOIL: The three samples shall be taken in one boring for the same field sample. The QA and QC samples shall be replicates of the field sample. Efforts should be made to obtain as representative a sample as possible for each jar collected. GROUNDWATER: Take one equipment blank (EB) sample for every 20 ground water samples or fraction thereof, during sampling of the monitoring wells. Trip Blanks (TB) shall be included in coolers used to ship water samples containing volatile organic compounds (VOC). Each TB will consist of three (3) 40 milliliter vials.
- Fill each jar/bottle completely, disturbing the soil/water as little as possible. Complete the information required on each label at the time of sampling using an indelible ink pen. Preserve all samples on ice and ship the field and QC samples to the testing laboratory within 24 hours of being taken. Preserve the QA samples on ice and ship them to the Corps of Engineers Southwestern Division Laboratory (CESWD-ED-GL), 4815 Cass Street, Dallas, Texas 75235, within 24 hours of being taken. Notify Ms. Mai Tran, Chemist, telephone 214-905-9130 (9135 for FAX), at least 24 hours prior to shipping samples. When all testing is complete, one copy of all of the field, TB, EB, and QC test results shall be submitted to CESWD-ED-GL for preparation of a QA/QC report.
- **4.1.5** Chain of Custody Forms. Fill out a separate chain of custody form for each boring or monitoring well, listing all field samples obtained from that boring/well. Fill out a separate chain of custody form for each TB and EB sample. Seal the appropriate chain of custody forms in a plastic bag and enclose in the cooler for shipment. The coolers shall have chain of custody seals placed on them after being readied for shipment. An example chain of custody form is in the Work Plan.

4.1.6 Contractor Laboratory Requirements.

- **4.1.6.1** The Contractor shall provide and coordinate the services of an environmental chemical laboratory to perform analyses. Laboratory capabilities must be provided for the duration of the work. The Contractor may not begin any work until the credentials of the laboratory the Contractor has selected have been submitted and approved by the Government's Engineering Manager. No time extensions to the Contractor will be allowed if the laboratory selected by the Contractor has not been approved by the Government's Engineering Manager by the time the Contractor is ready to begin work.
- **4.1.6.2** The laboratory must be validated and certified by the U.S. Army Corps of Engineers, Missouri River Division (MRD) in Omaha, Nebraska. The Contractor may elect to use a laboratory that has not been pre-certified by

MRD. The Contractor shall contact the Government's Technical Manager to get the proper forms to initiate the validation process if the company does not already have a certified lab. The Government's Engineering Manager will forward the request to MRD within 5 working days after receipt. The Contractor may not begin any work until his laboratory is certified. No time extensions to the contract will be allowed if the laboratory selected by the Contractor has not been certified by MRD when the Contractor is ready to begin work. Validation of a laboratory by MRD typically takes 12 weeks.

4.1.7 Other Requirements.

- 4.1.7.1 <u>Decontamination and Waste Handling</u>. The Contractor shall steam clean the drill rig and all downhole equipment prior to drilling operations. The Contractor shall do the following: wear a clean pair of disposable rubber gloves when handling soil samples and well materials; drum all soil and water generated from drilling, well development, well sampling, and decontamination; label all drums with the boring or well numbers(s), date material was drummed, Point of Contact (POC) name and telephone number, and name of company responsible for the drum. Also, the Contractor shall drum any wastes from decontamination or expendable personal protective equipment; temporarily store drums on site pending test results; and drums shall be furnished by the Contractor. Within 30 days of drumming the wastes, the Contractor shall properly dispose of all wastes. Any extensions beyond 30 days must be requested from TNRCC by the Contractor. All documents regarding testing, transportation, treatment, and disposal of the wastes shall be included in the RBA. If required, the Contractor shall sign all manifests "On behalf of the Department of Defense", including manifests for hazardous wastes.
- 4.1.7.2 <u>Documenting Field Activities</u>. The Contractor shall include completed boring logs, well construction detail forms, boring plugging reports, and State of Texas Well Report for each well installed in the RBA The Contractor shall also keep a field notebook. At a minimum, the following information shall be incorporated into the notebook: location, date and time, identity of people performing activity, identity of and calibration results for all field instruments, borehole/monitor well number, location of borehole/monitor well to any easily identifiable landmark, drilling method and equipment, depth at which saturated conditions were first encountered, lithologic descriptions and depths of lithologic boundaries, sample depths, odors or visible color stains, field screening test results and times, total depth of boring, and well construction details. A copy of the field notebook shall be included in the RBA.
- **4.1.7.3** <u>Free Product</u>. In the event free product is encountered during drilling of the soil borings, the Contractor shall immediately begin recovery of the free product and contact the COE Technical Manager for additional guidance.
- **4.1.8** <u>Laboratory Analyses</u>. Soil and groundwater chemical samples shall be analyzed for the parameters listed in the Work Plan and this scope of work. Test methods shall be as specified in "Guidance for Risk-Based Assessments at LPST sites in Texas Document" (RG-175).
- **4.1.9** <u>Site Map</u>. The Contractor shall perform a topographic survey at the Gary Job Corps site. The Government will provide the Contractor with a electronic copy of the topographic survey completed for the initial RBA. The Contractor shall update the survey based on the work accomplished for this Task Order. The Contractor shall utilize the furnished materials to the maximum extent possible. In addition, the Contractor shall show any adjacent structures, parking lots, utilities, limits of excavation to remove the UST, soil boring locations, monitoring well locations, stockpiled soils, and sampling points that were not on the original survey but should be incorporated because of the work done under this Task Order. The updated site map shall be included in the RBA report.

5.0 Project Management.

- 5.1 <u>Contractor Project Manager</u>. The Contractor shall appoint a Project Manager to serve as a single point of contact and liaison between the Contractor and the Government's Engineering Manager and/or his representative(s) during the execution of the Task Order. The Contractor's Project Manager shall be responsible for coordinating the work performed under this Task Order and ensuring work will be accomplished with technical accuracy and minimal conflicts, errors, and omissions. The Contractor shall immediately furnish the name of the designated individual in writing to the Government's Engineering Manager upon award of the Task Order.
- **5.2** Government Technical Manager. The Government's Engineering Manager for this effort is Mr. Henry Kasten, Engineering Support Branch (CESWF-EC-MR), telephone 817/978-2762. Mr. Kasten is responsible for coordinating with the Contractor and the Government. The Government's Technical Manager for this effort is Mr. Randy Niebuhr, Environmental Design Branch (CESWF-EV-DI), telephone 817/978-3223, extension 1642 (FAX No. 2991). Mr. Niebuhr is responsible for coordinating with the Contractor, the landowners, and the TNRCC to ensure the technical requirements of the Task Order are met upon its completion.
- **6.0 RBA Report**. The Contractor shall submit to the Government's Engineering Manager those parts of the RBA report which have been updated or are new. New parts of the RBA report shall include those attachments of the RBA which were not filled out in the initial report because of lack of information, and new data, manifests, forms, etc., generated for this Task Order. The RBA report shall be completed and approved by a registered Corrective Action Specialist and Corrective Action Project Manager.
- 7.0 <u>Submittals</u>. The Contractor shall submit the RBA report in Draft and Final versions to the Government's Engineering Manager at the address listed below. Submittal and approval of the Final RBA Report shall constitute completion of the Task Order.

Corps of Engineers, Fort Worth District Attn: CESWF-EC-MR (Henry Kasten) P.O. Box 17300 Fort Worth, TX 76102-0300

- **7.1** Report Style. Report submittals shall conform to the following specifications.
- 7.1.1 <u>Size</u>. Final trim size of the report shall be 8.5 X 11 inches. Image size of standard text shall not exceed 7 X 10 inches.
- 7.1.2 <u>Foldouts</u>. Whenever possible, avoid the use of oversized illustrations, charts, or maps. Foldouts shall not exceed 11 X 17 inches with a maximum image size of 9.75 X 15.5 inches.
- 7.1.3 <u>Color</u>. No color shall be used except Color Xerox to present photographs, if applicable.
 - 7.1.4 Printing. Documents shall be printed with single-sided pages.
- 7.1.5 <u>Binding</u>. The report shall be bound in standard, good quality three-ring binders. Changes required to the Draft report may be submitted as loose pages, which will become the Final report.
- 7.1.6 Quality. Report copies should be clean and of sufficient quality to be easily read on subsequent reproductions.
- 7.1.7 <u>Magnetic Media</u>. The approved Final report shall also be submitted on magnetic media having the following attributes:

- a. MS-DOS formatted, 1.2 MB 5-1/4" or 1.44 MB 3-1/2" floppy diskettes
- b. Text WordPerfect 5.1 or ASCII
- c. Drawings Intergraph (.DGN files) format
- d. Tables Lotus 2.01 or QuattroPro 2.0 or WordPerfect 5.1
- e. Data files dBase III or FoxPro 2.5
- 7.2 <u>Number of Copies</u>. The Contractor shall submit three (3) copies of the Draft RBA Form and supplemental Report, and four (4) copies of the Final RBA Form and Report to the Government's Engineering Manager. One (1) copy of the Final RBA Report shall also be submitted in digital format on magnetic media.
- 8. <u>Review</u>. The Corps of Engineers will review the Draft RBA form. The Government will furnish one set of comments to the Contractor to be annotated and returned to the Government. The Contractor shall annotate the comments with a "C Concur", "D Do not concur", "E Exception", or "X Delete." Comments annotated with D, E, or X shall be explained to justify the non-compliance with the comment. Comments concurred with will include a brief notation as to what action was taken. The Contractor shall furnish the annotated comments to the Government no later than 7 calendar days after receiving the comments. To assist reviewers, a copy of all annotated comments shall be included with the Final RBA.
- **9.** <u>Meetings</u>. The Contractor or his appropriate representative(s) shall be required to attend one (1) meeting at the Fort Worth District at a time to be determined by the COE's Engineering Manager.
- 10.0 <u>Delivery Schedule</u>. The schedule for delivery of work items to the Government is in calendar days. Calendar days for each work requirement extend from the award date of the Task Order. Note: If the documents submitted do not satisfy the requirements of this D.O., the Contractor shall revise the documents without additional expense to the Government.

ITEM	DAYS to COMPLETE Tasks	COPIES
TNRCC Approval of Work Plan Field Work Completed Submit Draft RBA Report Submit Final RBA	0 60 60 15 days following receipt of Government review comments	0 0 3 4 and 1 electronic

APPENDIX A

APPENDIX A

RBA Sites

<u>Site</u> Gary AFB	LPST ID # 108133	<u>Owner</u> DOL	Tank Sizes 7 - 25,000 2 - 12,000 2 - 9,000	Number <u>Borings</u> 7	Soil BTEX, TPH	Testing	(Grab) <u>Ground Water</u> BTEX, TPH
				Monitoring Wells 3	Soil BTEX, TPH		Ground Water BTEX, TPH PAH** TDS

^{*} PAH sample in one soil sample from ground water monitoring well nearest to former tank farm.

** PAH water sample from well nearest to former tank farm for each round of water sampling.

Soil Boring

BTEX - 8020 TPH - 418.1

Soil Boring Grab Ground Water Samples

BTEX - 8020 TPH - 418.1

Monitoring Well Soil Samples

BTEX - 8020 TPH - 418.1 PAH - 8310*

Monitoring Well Ground Water Samples

BTEX - 8020 TPH - 418.1 PAH - 8310** TDS - 160.1



US ARMY CORPS OF ENGINEERS

Fort Worth District

Hazardous Waste Management Section

FACSIMILE TRANSMITTAL HEADER SHEET

COMMAND/ OFFICE		NAME/ OFFICE SYMBO	L	OFFICE PHONE NO.	FAX NO.
FROM	· · · · · · · · · · · · · · · · · · ·				
Fort Worth District US Army Corps of E	ngineers	Ted Nicholson CESWF-ED-C		(817) 334-87	787 (817) 334-2991
то	<u> </u>				
Kelly Resident Office East Kelly AFB, TX		Bob Murray CESWF-RO-I	<	(210) 921-90	061 (210) 921-9716
CLASSIFICATION	PRECEDENCE	NO. PAGES (Incl Header)	DATE-TIME	MONTH YEAR	
Unclassified	Routine	5	22-1515L	JUN 94	Herdre (Nukolan - Theodore C. Nicholson

REMARKS

Bob:

Here are the quick turnaround results for QA samples at Gary AFB, as per our discussion. Enjoy.

TCN

CLIENT : US Army Corps of Engineers PROJECT : Gary AFB (4-3008)

JOB NUMBER : D94-6552 REPORT DATE : 20-JUN-1994

SAMPLE NO.	ID MARKS	MATRIX	DATE SAMPLE
1	GAFB-10-350-8H-0X/QA (4-3008)	Sọi L	9-JUN-1996
5	MS	Soft	9-JUN-1994
3	MSD	Soil	9-JUN-1994
4	Method Blank	Soil	9-JUN-1994

BTEX ANALYBIS, EPA 8020		1	2	3	4 .
Benzene	pg/Kg	< 50	54.7	49.5	< 2.
Toluene	#8/K8	< 50	< 2.0	< 2.0	₹ 2.0
Ethyl benzene	₩8/K9	850	51.2	45.6	< 2.
Xylenes	Me/Ke	1250	< 2.0	< 2.0	< 2.0
BTEX (Total)	μg/Kg	2100	106	95.1	< 2.0

TOTAL RECOVERABLE PETROLEUM HYDROCARSONS, EPA 418.1 MOD.	1	\$	- 3	4
Total Petroleum Hydrocarbon mg/Kg	710	•	•	-

TOTAL METALE			1	3	3	4
Lead	mg/Kg	<	5.0	•	•	•

NISCELLANEOUS ANALYSES		1	2	3	4
Total Solids	*	90.5	-		•

CLIENT : US Army Corps of Engineers PROJECT : Gary AFB (4-3008)

SAMPLE NO.	ID MARKS	MATRIX	DATE SAMPLED
5	LCS	Soil	9- JUN-1994

STEX ANALYSIS, CPA 8020		5		
Benzene	µg/Kg	46.6		
Toluene	μg/Kg	۷.0		
Ethyl bonzene	80/60	50.5	 	
BTEX (total)	 #8/Kg	I I 97.1	 i D	

CLIENT: US Army Corps of Engineers PROJECT: Gary AFB (4-3101-3102)

JOB NUMBER : D94-6722 REPORT DATE : 21-JUN-1994

	·		
SAMPLE NO.	ID MARKS	MATRIX	DATE SAMPLED
1	GAFB-10-350-01-BH-GX/QA 4-3101	Soil	14-JUN-1994
2	GAFB-10-350-8P7-A-DX/QA 4-3102	Soil	14 - JUN - 1994

14 - JUN - 1994 3 Soil XS 17-JUN-1994 4 HED 17-JUN-1994 Soil

BTEX ANALYSIS, EPA 8020		1	2	3	4
Benzene	na/Ka	< 50	20.0	48.9	45.8
Toluene	µg/Kg	102	21.0	< 2.0	< 2.0
Ethyl benzene	⊭g/K g	66	181	51.2	47.1
Xylenes	#8/K9	476	70.0	< 2.0	< 2.0
BTEX (total)	#9/Kg	644	292	100	92.9

TOTAL RECOVERABLE PETROLEUM HYDROCARBON, EPA 418.1	1	2	3	4
Total Petroleum Hydrocarbon mg/Kg	415	196	•	-

TOTAL METALS		-	1	2	3	4
Lead	mg/Xg		5.0	19_1	-	•

MI SCELLANEOUS ANALYSES	•	1	2	3	4
Total Solids	X	90_0	77.4	-	•

CLIENT : US Army Corps of Engineers PROJECT : Gary AFB (4-3101-3102)

JOB NUMBER : D94-6722 REPORT DATE : 21-JUN-1994

AMPLE NO.	ID MARKS	MATRIX	DATE SAMPLED
5	Method Blank	Soil	17-JUN-1994
6	LES	Sail	17-JUN-1994

BTEX ANALYSIS, EPA 6020			5		6		
Benzene	µg/Kg	<	2-0		49.2		
Toluene	µg/Kg	۷.	2.0	5	2.0		
Ethyl benzene	HO/KG	•	2.0		53.4		
Xylenes	μg/Kg	<	2.0	<	2.0		
BTEX (total)	μα/Κο	٧.	2.0	1	103		

SITE SOIL ASSESSMENT AND REMEDIAL OPERATIONS

During the week of April 20, 1994 seven (7) 25,000 gallon steel UST's were excavated and removed from Site No. 10-350 (Tanks 1-7). The tanks were reported to be in fair condition, with the exception of tank 6 which contained two (2) notable holes. All associated piping was removed up to the limits of excavation required for removal of the tanks. The concrete saddles were left in place on the floor of the tank repository. Visibly stained soils and a hydrocarbon odor were noted during inspection of the tank repository.

On April 26, 1994, the tank repository, measuring approximately 100' x 42' x 18' deep, was cleaned in preparation of sample collection activities. Soil samples were collected from the appropriate locations and were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb (See Figure 5, Sample Location Map).

Seven (7) of the twenty-five (25) samples collected from the tank repository exhibited TRPH concentrations which appeared to be above the TNRCC action levels. Of these seven (7) samples, the six (6) bottom hole samples (GAFB-10-350-01-BH, GAFB-10-350-03-BH, GAFB-10-350-04-BH, GAFB-10-350-05-BH, GAFB-10-350-06-BH, & GAFB-10-350-07-BH) collected from below the former locations of tanks 1, 3, 4, 5, 6, & 7 exhibited TRPH concentrations ranging from 665 to 6235 ppm. The sample (GAFB-10-350-04-EW) collected from the east wall of the former tank 4 location, also exhibited a TRPH concentration (1970 ppm) which appeared to be above the TNRCC action levels.

The samples collected from the west wall of tank 1 (GAFB-10-350-01-WW) and the bottom hole sample from tank 2 (GAFB-10-350-02-BH) exhibited notable TRPH concentrations of 455 & 255 ppm. The remainder of the samples collected from the walls of the tank repository exhibited TRPH and BTEX concentrations below the method detection limits (MDL) used in

analysis. Total Pb concentrations of the samples ranged from <5 to 23.4 ppm (See Tables 1 & 2, Sample Testing Results).

On June 14, 1994 the tank repository was over-excavated in an effort to remove the remaining contaminated soil. During over-excavation activities, groundwater was encountered at a depth of approximately 22' below surface grade. Once groundwater was encountered, over-excavation was limited to a depth of approximately 21' below surface. Confirmation samples were collected from the soil just above the water table and from the over-excavated wall areas of the repository (See Figure 6). The samples were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb.

Six (6) of the nine (9) confirmation samples collected after over-excavation exhibited TRPH concentrations which appeared to be above the TNRCC action levels. Of these six (6), five (5) bottom hole samples (GAFB-10-350-02-BH-OX, GAFB-10-350-03-BH-OX, GAFB-10-350-04-BH-OX, & GAFB-10-350-05-BH-OX, & GAFB-10-350-07-BH-OX) collected from below the former locations of tanks 2, 3, 4, 5, & 7 exhibited TRPH concentrations ranging from 525 to 2445 ppm. The sample (GAFB-10-350-04-EW-OX) collected after over-excavation of the tank 4 east wall also exhibited a TRPH concentration (2000 ppm) above the referenced action levels. The samples exhibited BTEX concentrations ranging from <0.6 to <7.52 ppm and total Pb concentrations ranged from <5 to 16.2 ppm (See Tables 3 & 4).

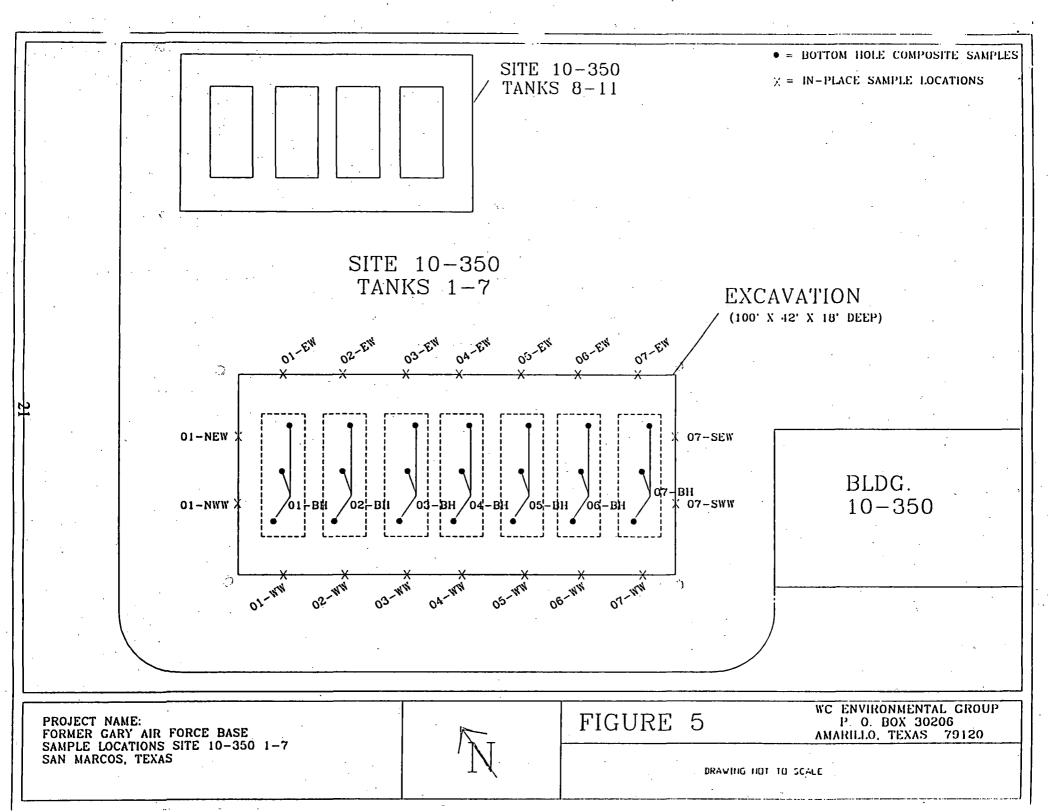
No further excavation was performed. The product piping which exited the tank repository to the south was cut and plugged with cement grout. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade.

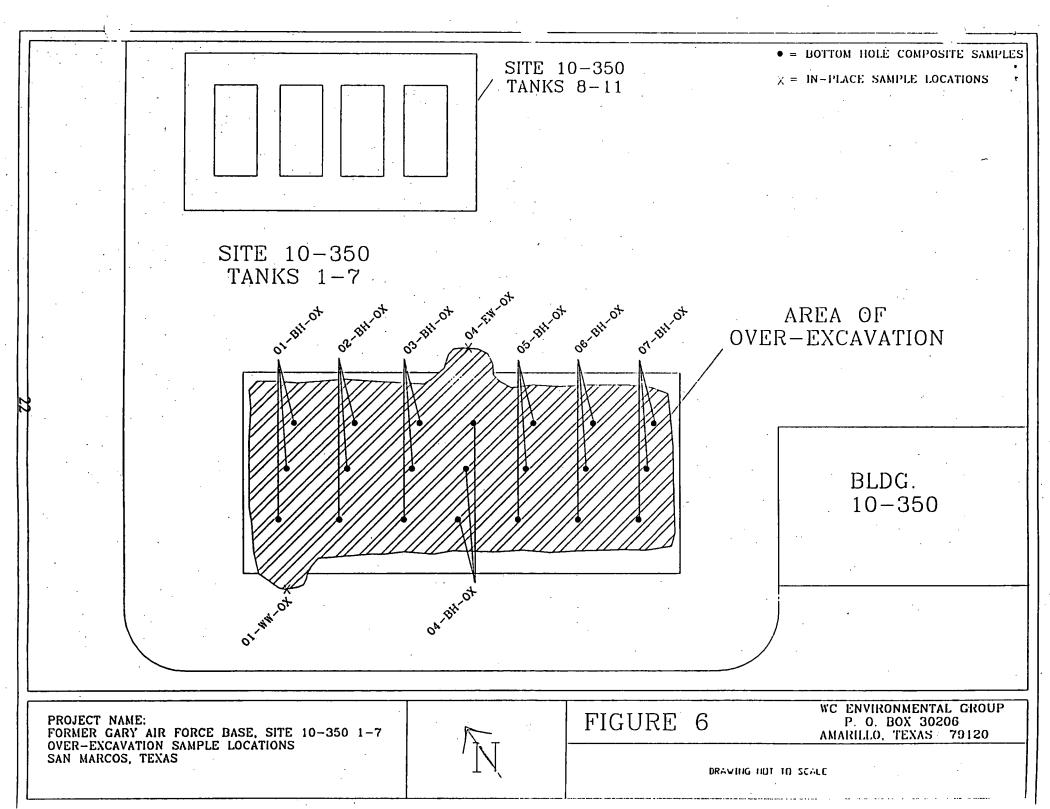
The product piping which exited the repository to the south, then angled to the remote dispensers located to the northwest of the site was abandoned in-place. Split tube samples were

collected from the subsurface (8' below grade) adjacent to each of the seven (7) product lines which exited the tank repository. Samples were also collected at 20' intervals along the piping route to the three remote dispensers, except where underground utilities prohibited drilling (See Figure 7).

The samples were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb. Analytical results of the samples (GAFB-10-350-TL-T1...T7 & GAFB-10-350-TL-1'...885') indicated TRPH and BTEX concentrations were below the MDL. Total Pb concentrations ranged from <5 to 10.5 ppm (See Tables 5-7).

All borings locations were plugged with cement grout. The stubs of the product piping located along the south wall of the tank repository and at the remote dispenser locations were also cut and plugged with cement grout.





SITE SOIL ASSESSMENT AND REMEDIAL OPERATIONS

On April 20, 1994 underground storage tanks 8-11 and associated piping were excavated and removed from Site No. 10-350. The tanks and piping were reported to be in poor condition. Portions of the welded seams were split open in tanks 8 and 11. In addition, visibly stained soils were noted during inspection of the tank repository. Soil samples were promptly collected from the appropriate locations in the tank repository (approximately 50' x 30' x11' deep) and were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb (see Figure 5, sample location map).

Four (4) of the sixteen (16) samples collected from the tank repository exhibited contaminant concentrations above the TNRCC action levels. The bottom hole sample (GAFB-10-350-08-BH) collected from below the former location of tank 8 exhibited a benzene concentration (2.5 ppm) above the TNRCC action level of .5 ppm. The bottom hole sample (GAFB-10-350-10-BH) and west wall sample (GAFB-10-350-10-WW) collected from the former location of tank 10 exhibited TRPH concentrations (3800 & 780 ppm) above the TNRCC action level of 500 ppm. The bottom hole sample (GAFB-10-350-11-BH) collected from the former tank 11 location also exhibited TRPH concentrations (6500 ppm) above the TNRCC action level. Total Pb concentrations of the samples ranged from 5.7 to 56 ppm. The total Pb concentrations did not appear to correlate to the areas which exhibited significant petroleum hydrocarbon contamination.

In summary, the bottom hole samples collected from below the former locations of tanks 8, 10, & 11, exhibited contaminant concentrations above the TNRCC action levels. In addition, the sample collected from the west wall of the tank 10 location also exhibited contaminant concentrations above the referenced action levels. Analytical results are presented in tabular form as Tables 1 & 2, Sample Testing Results.

On June 9, 1994 the areas of the tank repository which exhibited contaminant concentrations above the TNRCC action levels were over-excavated an additional 4' in an effort to remove the contaminated soil. Confirmation samples were collected and submitted to the laboratory for analysis (see Figure 6).

The bottom hole confirmation sample (GAFB-10-350-08-BH-OX) collected from below the tank 8 location exhibited TRPH (16705 ppm) and benzene (4.35 ppm) concentrations above the TNRCC action levels. The bottom hole confirmation sample (GAFB-10-350-10-BH-OX) collected from the tank 10 location exhibited TRPH concentrations (1400 ppm) above the action levels. The confirmation sample (GAFB-10-350-10-WW-OX) collected from the west wall of the tank 10 location exhibited contaminant concentrations below the method detection limits (MDL) used in analysis. The bottom hole confirmation sample (GAFB-10-350-11-BH-OX) collected subsequent to over-excavation below the tank 11 location, also exhibited a TRPH concentration (10285 ppm) above the action levels. No further over-excavation was performed.

In summary, the bottom hole confirmation samples, collected from below the former locations of tanks 8, 10, and 11, exhibited contaminant concentrations above the TNRCC action levels. Analytical results of the samples collected after over-excavation activities are presented in Table 3.

Excavated soil material was stockpiled on an impermeable liner pending the receipt on analytical results. Analytical results of the stockpiled material which was generated during initial removal operations exhibited TRPH and BTEX concentrations below the TNRCC action levels. The excavation was lined with an impermeable barrier and this material was utilized, in addition to imported fill, to restore the tank repository to original grade. Stockpile material generated

during over-excavation activities exhibited contaminant concentrations above the TNRCC action levels and was placed into a bio-remediation cell which was constructed on-site.

A concrete foundation of a former structure which housed the associated pumps was located adjacent to the north of the tank repository. On April 30, 1994 the concrete foundation was removed and the area was excavated to a depth of approximately 5' below surface grade (see figure 5). A sample was collected from the floor of the excavation and was submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb.

Analytical results of the sample (GAFB-10-350-PP-BH) exhibited TRPH concentrations (900 ppm) above the TNRCC action level. The Pb concentration reported was 5.1 ppm (see Table 4). No further over-excavation was performed.

Soil material generated during the excavation of the pump pit was stockpiled on an impermeable liner pending the receipt of analytical results. Analytical results indicated the material was not appropriate for use as backfill. The excavation was lined with an impermeable barrier and was backfilled, compacted, and returned to original grade utilizing imported fill material.

As previously referenced, three remote pump islands which were located to the northwest of site 10-350, were removed under delivery order No. 0008 (see Figure 7). The concrete pump islands supported dispensing equipment and were believed to be associated with tanks 1-7 which were also located at Site 10-350. Subsequent to removal, soil samples were collected from each former pump island location and were submitted for laboratory analysis. No excavated soil was generated during these activities.

Analytical results of the samples (GAFB-10-350-PI-1...PI-3) indicated TRPH and BTEX concentrations were below the TNRCC action levels. Significant total Pb concentrations ranging

from 106.1 to 173.4 ppm were present in the samples (see Table 5). Further TCLP Pb analysis indicated that leachable Pb concentrations were below the method detection limits (see Table 6).

The product piping associated with the dispensers was routed to tanks 1-7 at Site 10-350. A discussion of the in-place abandonment activities is outlined in report 10-350, D.O. 0006 & 0007. The piping stubs located at the former pump island locations were cut below grade and were plugged with cement grout. The areas were then returned to surface grade by the installation of concrete.

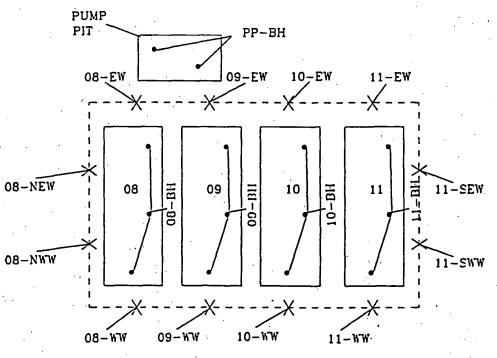
As previously stated, analytical results of the sampling events were submitted to the TNRCC Region 11 office for review. A notice of contamination letter was issued and an LPST number was assigned to the site. Further investigation by a Limited Site Assessment (LSA) is recommended to determine appropriate remedial actions.

SAMPLE LOCATIONS

SPA	SPG
SPB	SPH
SPC	SPI
SPD	SPJ
SPE	SPK
SPF	SPL

NOTE: 600 cyds SAMPLED ON 50 cyds BASIS 12 SAMPLES

STOCKPILE: 72'x20'x8'



X = IN-PLACE SAMPLE LOCATIONS

= BOTTOM HOLE COMPOSITE LOCATIONS

TANKHOLD : 50'x30'x11'

PROJECT NAME: GARY AFB

SITE 10-350 D.O.# 0008



FIGURE 5

PERRY VILLIAMS, INC. P. D. BOX 30206 AMARILLO TEXAS 79120

SCALE 1" = 15"

Perria

REPORT SUMMARY

In February 1994, Perry Williams Inc. (PWI) was given notice to proceed with Delivery Orders No. 0008 & 0009 under Contract No. DACA63-92-D-0046. Included in this Delivery Order is Site No. 5402, which is located at the former Perrin Air Force Base (currently Grayson County Airport), 4700 Airport Drive in Denison (Grayson County), Texas. The scope of this report covers the removal of the underground storage tank (UST) system and remedial activities associated with the release of petroleum hydrocarbons.

On February 8, 1994 PWI personnel arrived to review the site. The system consisted of four (4) 12,000 gallon and one (1) 1,000 gallon capacity tanks and associated product piping. Fluids samples were collected and submitted for laboratory analysis to determine proper management procedures.

Analytical results of the fluid samples indicated that three of the tanks contained water, one contained a viscous oil, and one tank contained water with concentrations of aromatic hydrocarbons and various solvents.

The oil was removed and transported off-site for recycling. The fluids present in the three (3) tanks which contained water were pumped through an oil water separator and activated carbon filtration unit prior to discharge into the City of Denison sanitary sewer. Fluids present in the tank which contained water and various solvents were transported off-site to an appropriate treatment, storage, and disposal (TSD) facility.

Two (2) product flowline areas were excavated and removed from the site. Piping removed from flowline FLA was reported to be in good condition. Piping removed from flowline FLB was reported to be in very poor condition and holes were noted to be present. Samples were collected from the appropriate intervals along the trench lines and were submitted to the laboratory for the analysis of TRPH, BTEX, and total lead (Pb).

Analytical results of the samples collected from flowline FLA indicated contaminant concentrations, above the USACE contract action levels (30 ppm BTEX and 100 ppm TRPH), were present at the 100' sample interval. Analytical results of the samples collected from flowline FLB indicated numerous locations along the trench which exhibited contaminant concentrations above the contract action levels.

The areas were over-excavated in an effort to remove the contaminated soil and confirmation samples were collected and submitted for laboratory analysis. Analytical results of the confirmation sample which was collected from the 100' interval of flowline FLA indicated the contaminated soil had been removed. Analytical results of the samples collected from the flowline FLB locations indicated that contaminant concentrations, which appeared to be above contract action levels, were still present at various locations.

These areas of flowline FLB were over-excavated again in an effort to remove the remaining contaminated soil. Confirmation samples were collected and submitted for laboratory analysis. Analytical results of the confirmation samples indicated contaminant concentrations, above the contract action levels, were still present in various locations of the trench line. It should be noted that these locations also appeared to exhibit contaminant concentrations above the TNRCC action levels (effective October 1993). No further over-excavation was conducted in this area. The trench lines were backfilled, compacted, and returned to original grade.

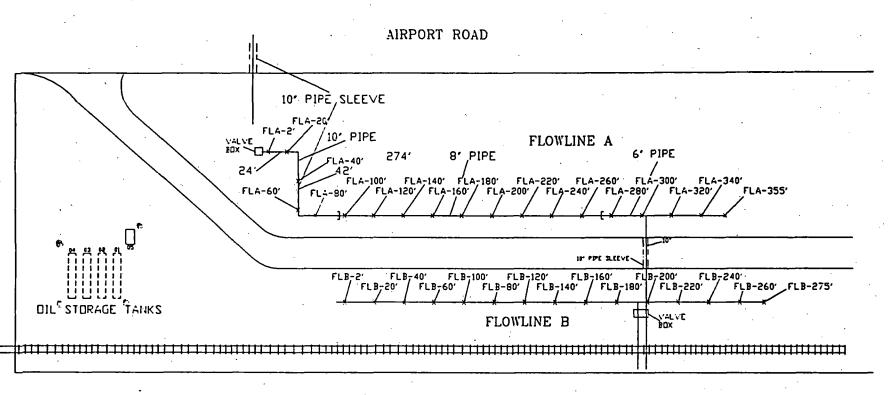
Four (4) 12,000 gallon and one (1) 1,000 gallon capacity steel tanks were excavated and removed from the site. Samples were collected from the appropriate locations and were submitted to the laboratory for the analysis of TRPH, BTEX, and total Pb. Analytical results of the samples indicated contaminant concentrations, above the contract action levels, were present in various locations of the tank repository.

These areas were over-excavated and confirmation samples were collected and submitted for analysis. Four (4) of the eleven (11) confirmation samples exhibited contaminant concentrations above the USACE contract action levels. It should be noted that contaminant concentrations present in these four (4) samples also appeared to be above the TNRCC action levels (effective October 1993).

After review of the confirmation samples, the USACE Contracting Officer directed PWI personnel to discontinue over-excavation activities. A decision was made to subject the site to a Limited Site Assessment (LSA) in order to determine the appropriate remedial activities. The excavation was then lined, backfilled, and returned to original grade.

All excavated soil was temporarily stockpiled on-site pending the receipt of analytical results. Soil material exhibiting contaminant concentrations within the landfill disposal guidelines was manifested and transported to the Hillside landfill for final disposition. Soil exhibiting contaminant concentrations above the landfill disposal guidelines was placed into a bio-remediation cell which was constructed on the south side of the airport facility.

The bio-cell was periodically sampled to monitor the progress of remediation and to determine a reduction in contaminant concentrations to levels within the disposal guidelines. Once analysis indicated contaminant concentrations were within the disposal guidelines, the soil was manifested and transported to the Hillside landfill. On May 1, 1995 the final stockpiles were transported into the Hillside landfill for final disposition. No excess soil remains on-site.



NOTE: FLOWLINE FLA = 355' FLOWLINE FLB = 275'

NOTE: FLOWLINE FLA

100' - 8" PIPE

100' - 10" PIPE

100' - RISERS - 6" TYPE

FLOWLINE FLA & FLB TOTAL 430' OF 6" PIPE

PROJECT NAME: PERRIN AFB #5402

FLOWLINE FLA & FLB SAMPLE LOCATIONS



FIGURE 4

WC ENVIRONMENTAL GROUP P. O. BOX 30208 AMARILLO, TEXAS 79120

 66 SCALE 1" = 66'